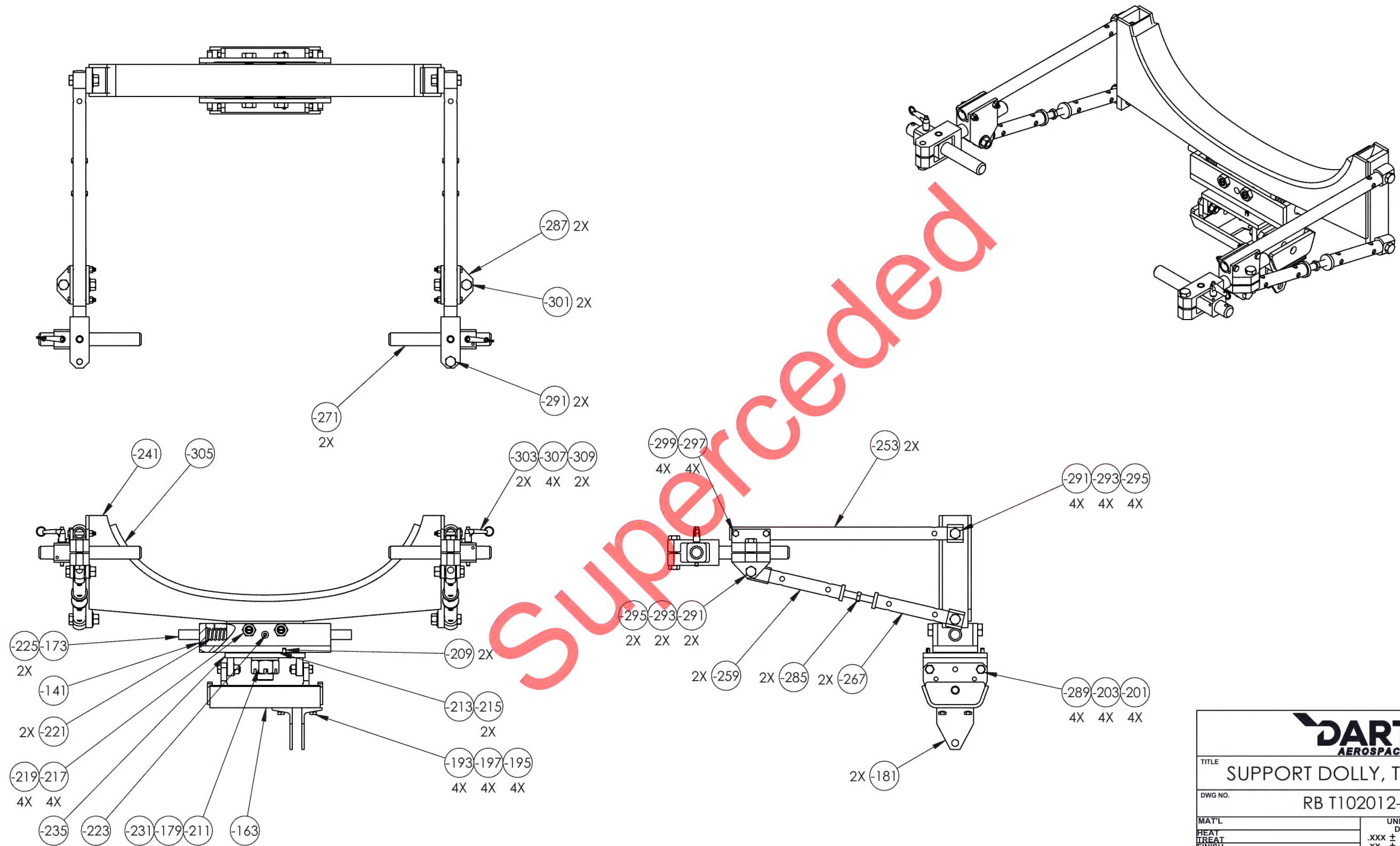


This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

| REVISIONS |     |                          | DATE     | INITIAL | APPROVED |
|-----------|-----|--------------------------|----------|---------|----------|
| REV       | ECR | DESCRIPTION              |          |         |          |
| 1         |     | RELEASED FOR PRODUCTION. | 5/1/2017 | SM      | JAG      |



(17)

REAR LIFT ASSEMBLY

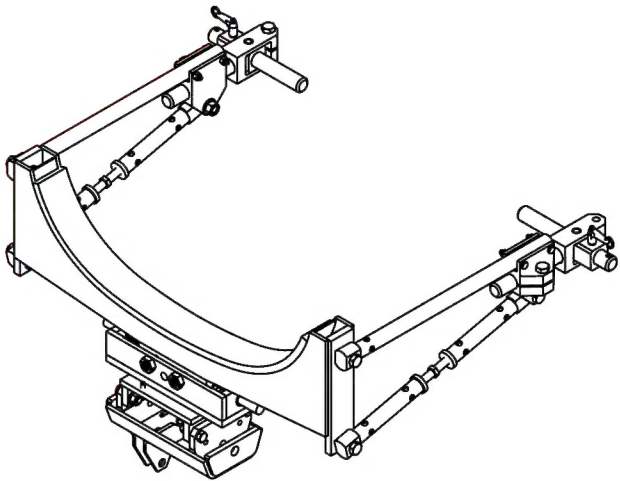
| DART<br>AEROSPACE  |  |                   |
|--|--|-------------------|
| TITLE<br>SUPPORT DOLLY, TAILBOOM                             |  |                   |
| DWG NO.<br>RB T102012-17                                     | REV<br>1   |                   |
| MAT'L<br>HEAT<br>TREAT<br>FINISH<br>SPEC                     | UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>.XXX ± .005 FRACTIONS ± 1/8<br>.XX ± .01 ANGLES ± .5°<br>.X ± .1 SURFACES = 125° |                   |
| DRAWN BY:<br>CHECKED:<br>OPPS APPR:<br>QA APPR:<br>APPROVED: | GILBERT<br>CLOUGH<br>ANDERSON<br>LINDSAY<br>GILBERT  |                   |
| SCALE<br>1:8   |  | DATE<br>3/13/2014 |
| SHEET 1 OF 29  |  |                   |

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

| REVISIONS |     |             |      |         |          |
|-----------|-----|-------------|------|---------|----------|
| REV       | ECR | DESCRIPTION | DATE | INITIAL | APPROVED |

| ASSY QTY  | ASSY QTY  | ASSY QTY  | ASSY QTY  | ASSY QTY  | ASSY QTY  | ASSY QTY  | ASSY QTY  | ASSY QTY  | ASSY QTY | B/O | Part # | UNIT QTY | Description                   | Material         | B/O INFORMATION OR SPECIFICATIONS                   | PG. |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|-----|--------|----------|-------------------------------|------------------|---|-----|
|           |           |           |           |           |           |           |           |           | X        |     | -141   | 1        | BOX WELDMENT                  |                  | RB T102012-141                                      | 1   |
|           |           |           |           |           |           |           |           | X         |          |     | -163   | 1        | CUP WELDMENT                  |                  | RB T102012-163                                      | 1   |
|           |           |           |           |           |           |           |           |           |          |     | -173   | 1        | CRADLE ROD                    | 4140 G&P         | RB T102012-173                                      | 1   |
|           |           |           |           |           |           |           |           |           |          |     | -179   | 1        | FLANGE BEARING                | BRONZE           | RB T102012-179                                      | 1   |
|           |           |           |           |           |           |           |           |           |          |     | -181   | 2        | PIVOT BRACKET                 | A36/1018/1020 HR | RB T102012-181                                      | 1   |
|           |           |           |           |           |           |           |           |           |          | B/O | -193   | 4        | HEX HEAD CAP SCREW            | STEEL            | 5/16-18 X 1 (MCMASTER-CARR #92865A583)              | 1   |
|           |           |           |           |           |           |           |           |           |          | B/O | -195   | 4        | HEX NUT                       | STEEL            | 5/16-18 (MCMASTER-CARR #95462A030)                  | 1   |
|           |           |           |           |           |           |           |           |           |          | B/O | -197   | 4        | WASHER                        | STEEL            | Ø5/16 (MCMASTER-CARR #95229A450)                    | 1   |
|           |           |           |           |           |           |           |           |           |          | B/O | -201   | 4        | HEX NUT                       | STEEL            | 7/16-20 (MCMASTER-CARR #95462A520)                  | 1   |
|           |           |           |           |           |           |           |           |           |          | B/O | -203   | 4        | WASHER                        | STEEL            | Ø7/16 (MCMASTER-CARR #90126A032)                    | 1   |
|           |           |           |           |           |           |           |           |           |          | B/O | -209   | 2        | SLOTTED SPRING PIN            | STEEL            | Ø1/4 X 3/4 (MCMASTER-CARR #90692A740)               | 1   |
|           |           |           |           |           |           |           |           |           |          | B/O | -211   | 1        | SLOTTED HEX NUT               | STEEL            | 1-1/4 -12 (MCMASTER-CARR #95030A360)                | 1   |
|           |           |           |           |           |           |           |           |           |          | B/O | -213   | 1        | THRUST CAGE ASSEMBLY          | STEEL            | 2-3/4 O.D. (MCMASTER-CARR #5909K43)                 | 1   |
|           |           |           |           |           |           |           |           |           |          | B/O | -215   | 2        | THRUST WASHER                 | STEEL            | Ø2-3/4 O.D. (MCMASTER-CARR #5909K56)                | 1   |
|           |           |           |           |           |           |           |           |           |          | B/O | -217   | 4        | HEX NUT                       | STEEL            | 5/8-11 (MCMASTER-CARR #94846A533)                   | 1   |
|           |           |           |           |           |           |           |           |           |          | B/O | -219   | 4        | BALL-NOSE SPRING PLUNGER      | STEEL            | 5/8-11 X .984 (MCMASTER-CARR #3408A124)             | 1   |
|           |           |           |           |           |           |           |           |           |          | B/O | -221   | 2        | COMPRESSION SPRING            | STEEL            | Ø.105 X Ø.97 O.D. X 3-1/2 (MCMASTER-CARR #9657K455) | 1   |
|           |           |           |           |           |           |           |           |           |          | B/O | -223   | 1        | SLOTTED SPRING PIN            | STEEL            | Ø1/4 X 2 (MCMASTER-CARR #90692A749)                 | 1   |
|           |           |           |           |           |           |           |           |           |          | B/O | -225   | 2        | FLANGE BEARING                | BRONZE           | SYMCO #SF-2432-10                                   | 1   |
|           |           |           |           |           |           |           |           |           |          | B/O | -231   | 1        | COTTER PIN                    | STEEL            | Ø3/16 X 3 (MCMASTER-CARR #98338A290)                | 1   |
|           |           |           |           |           |           |           | X         |           |          |     | -235   | 1        | REAR CRADLE WELDMENT          |                  |   | 3   |
|           |           |           |           |           |           |           | 1         |           |          |     | -237   |          | REAR CRADLE TOP               | A36/1018/1020 HR |   | 4   |
|           |           |           |           |           |           |           | 2         |           |          |     | -239   |          | REAR CRADLE SIDE              | A36/1018/1020 HR |   | 5   |
|           |           |           |           |           |           |           |           | X         |          |     | -241   | 1        | AFT CRADLE WELDMENT           |                  |   | 6   |
|           |           |           |           |           |           |           | 2         |           |          |     | -243   |          | AFT CRADLE PLATE              | A36/1018/1020 HR |   | 7   |
|           |           |           |           |           |           |           | 2         |           |          |     | -245   |          | AFT CRADLE SIDE PLATE         | A36/1018/1020 HR |   | 8   |
|           |           |           |           |           |           |           | 1         |           |          |     | -247   |          | AFT CRADLE PIVOT              | A36/1018/1020 HR |   | 9   |
|           |           |           |           |           |           |           | 1         |           |          |     | -249   |          | AFT CRADLE FACE               | A36/1018/1020 HR |   | 10  |
|           |           |           |           |           |           |           | 2         |           |          |     | -251   |          | AFT CRADLE BOTTOM PLATE       | A36/1018/1020 HR |   | 11  |
|           |           |           |           |           |           |           |           | X         |          |     | -253   | 2        | TOP TUBE WELDMENT             |                  |   | 12  |
|           |           |           |           |           |           |           | 1         |           |          |     | -255   |          | TOP TUBE                      | DOM              |   | 13  |
|           |           |           |           |           |           |           |           |           | 1        |     | -257   |          | MOUNT PIN                     | A36/1018/1020 HR |   | 14  |
|           |           |           |           |           |           |           |           | X         |          |     | -259   | 2        | LOWER AFT TUBE WELDMENT       |                  |   | 15  |
|           |           |           |           |           |           |           | 1         |           | 1        |     | -261   |          | LOWER TUBE AFT                | DOM              |   | 16  |
|           |           |           |           |           |           |           |           |           | 1        |     | -263   |          | LOWER TUBE PIN                | A36/1018/1020 HR |   | 17  |
|           |           |           |           |           |           |           |           |           | 1        |     | -265   |          | LOWER TUBE MOUNT PIN AFT      | A36/1018/1020 HR |   | 18  |
|           |           |           |           |           |           |           |           | X         |          |     | -267   | 2        | LOWER FORWARD TUBE WELDMENT   |                  |   | 19  |
|           |           |           |           |           |           |           | 1         |           |          |     | -269   |          | LOWER TUBE LH PIN             | A36/1018/1020 HR |   | 20  |
|           |           |           |           |           |           |           |           | X         |          |     | -271   | 2        | AFT ADJUSTABLE CLAMP ASSEMBLY |                  |   | 21  |
| X         |           |           |           |           |           |           | 1         |           |          |     | -273   | 1        | AFT CLAMP WELDMENT            |                  |   | 22  |
| 1         |           |           |           |           |           |           |           |           |          |     | -275   |          | CLAMP                         | A36/1018/1020 HR |   | 23  |
| 1         |           |           |           |           |           |           |           |           |          |     | -277   |          | CLAMP PIN                     | 4140/4142        |   | 24  |
|           |           |           |           |           |           |           |           |           |          | B/O | -279   | 2        | DOWEL PIN                     | STEEL            | Ø1/2 X 1/2 (MCMASTER-CARR #98381A708)               | 21  |
|           |           |           |           |           |           |           |           |           |          |     | -281   | 1        | BLOCK                         | A36/1018/1020 HR |   | 25  |
|           |           |           |           |           |           |           |           |           |          |     | -283   | 1        | BLOCK PIN                     | 4140/4142        |   | 26  |
|           |           |           |           |           |           |           |           |           |          |     | -285   | 2        | ADJUSTABLE CONNECTOR          | 4140/4142        |   | 27  |
|           |           |           |           |           |           |           |           |           |          |     | -287   | 2        | TOP TUBE CLAMP                | A36/1018/1020 HR |   | 28  |
|           |           |           |           |           |           |           |           |           |          | B/O | -289   | 4        | HEX HEAD CAP SCREW            | STEEL            | 7/16-20 X 1-1/2 (MCMASTER-CARR #92865A316)          | 1   |
| -273 ASSY | -271 ASSY | -267 ASSY | -257 ASSY | -253 ASSY | -241 ASSY | -235 ASSY | -163 ASSY | -141 ASSY |          |     |        |          |                               |                  |   |     |

| ASSY QTY  | ASSY QTY  | ASSY QTY  | ASSY QTY  | ASSY QTY  | ASSY QTY  | ASSY QTY  | ASSY QTY  | ASSY QTY  | ASSY QTY | ASSY QTY | B/O | Part # | UNIT QTY | Description              | Material     | B/O INFORMATION OR SPECIFICATIONS         | PG. |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|-----|--------|----------|--------------------------|--------------|---|-----|
|           |           |           |           |           |           |           |           |           |          |          | B/O | -291   | 8        | HEX HEAD CAP SCREW       | STEEL        | 1/2-20 X 2 (MCMASTER-CARR #91257A748)     | 1   |
|           |           |           |           |           |           |           |           |           |          |          | B/O | -293   | 6        | WASHER                   | STEEL        | Ø1/2 I.D. (MCMASTER-CARR #90126A033)      | 1   |
|           |           |           |           |           |           |           |           |           |          |          | B/O | -295   | 6        | HEX NUT                  | STEEL        | 1/2-20 (MCMASTER-CARR #94895A825)         | 1   |
|           |           |           |           |           |           |           |           |           |          |          | B/O | -297   | 4        | HEX HEAD CAP SCREW       | STEEL        | 1/4-28 X 2 (MCMASTER-CARR #91257A568)     | 1   |
|           |           |           |           |           |           |           |           |           |          |          | B/O | -299   | 4        | NYLON INSERT HEX LOCKNUT | STEEL        | 1/4-28 (MCMASTER-CARR #97135A215)         | 1   |
|           |           |           |           |           |           |           |           |           |          |          | B/O | -301   | 2        | HEX HEAD CAP SCREW       | STEEL        | 1/2-20 X 1-1/4 (MCMASTER-CARR #92620A745) | 1   |
|           |           |           |           |           |           |           |           |           |          |          | B/O | -303   | 2        | QUICK-RELEASE PIN        | STEEL        | Ø1/4 X 1-1/2 (MCMASTER-CARR #90302A113)   | 1   |
|           |           |           |           |           |           |           |           |           |          |          |     | -305   | 1        | REAR CRADLE PAD          | 17124        | 1/2 X 2-1/2 X 29-1/8                      | 29  |
|           |           |           |           |           |           |           |           |           |          |          | B/O | -307   | 4        | FERRULE                  | ALUMINUM     | Ø1/16 X 3/8 (MCMASTER-CARR #3896T31)      | 1   |
|           |           |           |           |           |           |           |           |           |          |          | B/O | -309   | 2        | LANYARD                  | COATED STEEL | Ø1/16 X 12 (CARR LANE #CL2C)              | 1   |
| -273 ASSY | -271 ASSY | -267 ASSY | -257 ASSY | -253 ASSY | -241 ASSY | -235 ASSY | -163 ASSY | -141 ASSY |          |          |     |        |          |                          |              |   |     |



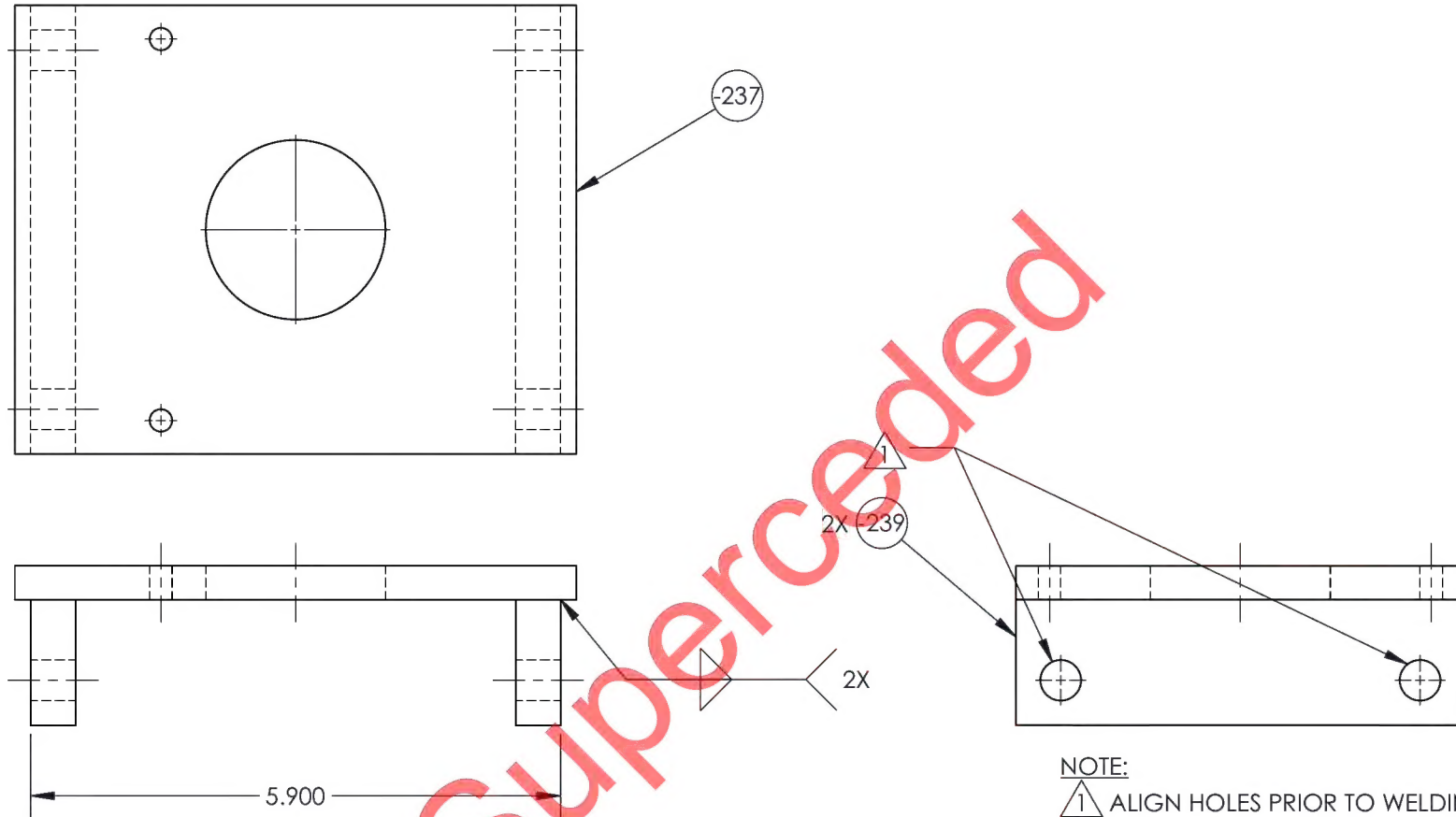
-17

REAR LIFT ASSEMBLY

| DART<br>AEROSPACE                     |  |  |               |
|---------------------------------------|--|--|---------------|
| TITLE<br>SUPPORT DOLLY, TAILBOOM      |  |  |               |
| DWG NO.<br>RB T102012-17              |  |  | REV<br>1      |
| MAT'L<br>HEAT TREAT<br>FINISH<br>SPEC |  | UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>.XXX ± .005 FRACTIONS ± 1/8<br>.XX ± .01 ANGLES ±.5°<br>.X ± .1 SURFACES = 125/✓ |               |
| DRAWN BY:<br>GILBERT                  |  | 1. BREAK ALL SHARP EDGES<br>.015 x 45° OR .015R  |               |
| CHECKED:<br>CLOUGH                    |  | 2. DIMENSIONAL LIMITS APPLY<br>AFTER PLATING   |               |
| OPPS APPR:<br>ANDERSON                |  | 3. INTERPRET DIM AND TOL PER<br>ASME Y14.5M-2009   |               |
| QA APPR:<br>LINDSAY                   |  | USED ON MODEL  |               |
| APPROVED:<br>GILBERT                  |  | BELL 212, 214B, 214ST, 412   |               |
| SCALE<br>1:12                         |  | DATE<br>3/13/2014  | SHEET 2 OF 29 |

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| REV       | ECR | DESCRIPTION | DATE | INITIAL  |
|           |     |             |      | APPROVED |



NOTE:

1 ALIGN HOLES PRIOR TO WELDING.

|   |  |
|---|--|
| <b>DART<br/>AEROSPACE</b>               |  |
| TITLE<br><b>SUPPORT DOLLY, TAILBOOM</b> |  |
| DWG NO.<br><b>RB T102012-235</b>        | REV<br><b>1</b>  |
| MAT'L<br><b>ALUMINUM 6061-T6</b>        | UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES |
| FINISH<br><b>POWDER COAT YELLOW</b>     | .XXX ± .010 FRACTIONS ± 1/8                            |
| SPEC<br><b>FED #13538</b>               | .XX ± .03 ANGLES ± 1°                                  |
| DRAWN BY:<br><b>GILBERT</b>             | .X ± .1 SURFACES = 125                                 |
| CHECKED:<br><b>CLOUGH</b>               | 1. BREAK ALL SHARP EDGES<br>.015 x 45° OR .015R        |
| OPPS APPR:<br><b>ANDERSON</b>           | 2. DIMENSIONAL LIMITS APPLY<br>AFTER PLATING           |
| QA APPR:<br><b>LINDSAY</b>              | 3. INTERPRET DIM AND TOL PER<br>ASME Y14.5M-2009       |
| APPROVED:<br><b>GILBERT</b>             | USED ON MODEL<br><b>BELL 212, 214B, 214ST, 412</b>     |
| SCALE<br><b>1:2</b>                     | DATE<br><b>3/13/2014</b>                               |
| SHEET 3 OF 29                           |  |

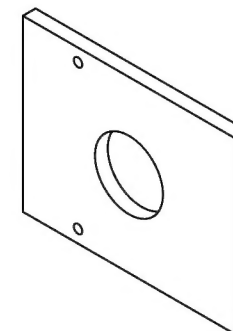
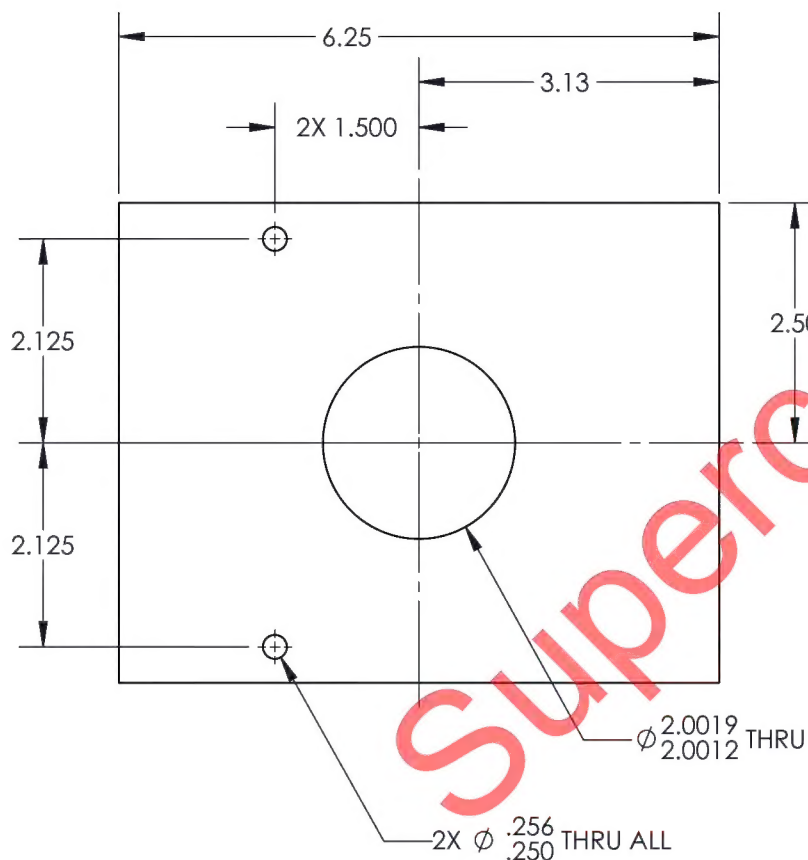
-235

REAR CRADLE WELDMENT



This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| REV       | ECR | DESCRIPTION | DATE | INITIAL  |
|           |     |             |      | APPROVED |



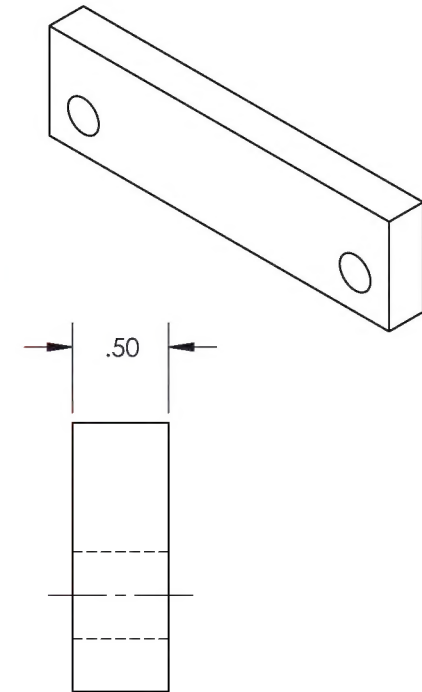
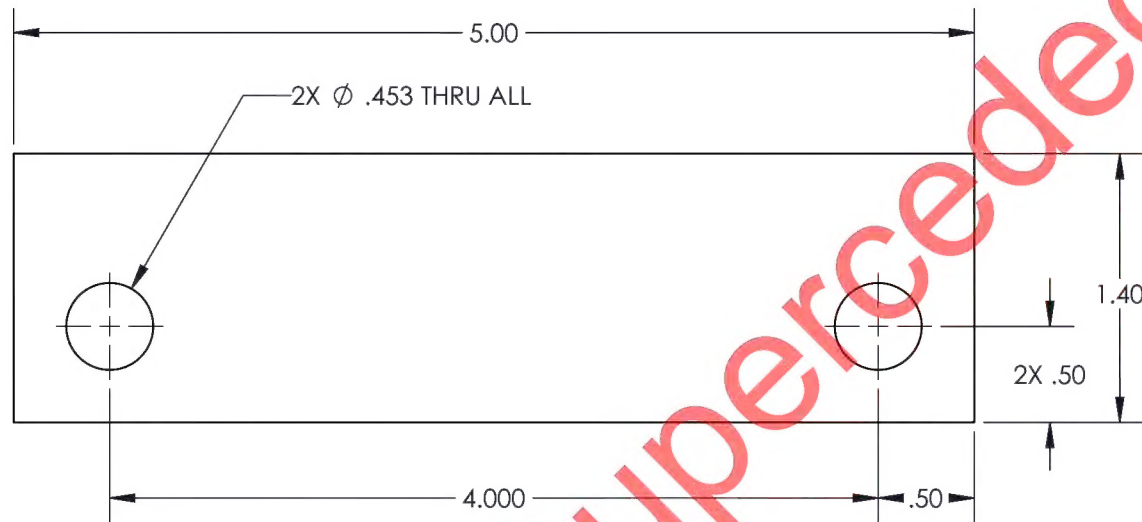
|   |                            |
|---|----------------------------|
| <b>DART</b><br>AEROSPACE  |                            |
| TITLE<br>SUPPORT DOLLY, TAILBOOM  |                            |
| DWG NO.<br>RB T102012-237   | REV<br>1                   |
| MAT'L A36/1018/1020 HR<br>TREAT<br>FINISH SEE -235 WELDMENT<br>SPEC   |                            |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>.XXX ± .010 FRACTIONS ± 1/8<br>.XX ± .03 ANGLES ± 1°<br>.X ± .1 SURFACES = 125° ✓         |                            |
| 1. BREAK ALL SHARP EDGES<br>.015 x 45° OR .015R<br>2. DIMENSIONAL LIMITS APPLY<br>AFTER PLATING<br>3. INTERPRET DIM AND TOL PER<br>ASME Y14.5M-2009 |                            |
| DRAWN BY: GILBERT   | USED ON MODEL              |
| CHECKED: CLOUGH   | BELL 212, 214B, 214ST, 412 |
| OPPS APPR: ANDERSON   |                            |
| QA APPR: LINDSAY  |                            |
| APPROVED: GILBERT   |                            |
| SCALE 1:2   | DATE 3/13/2014             |
| SHEET 4 OF 29   |                            |

(-237)

REAR CRADLE TOP

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| REV       | ECR | DESCRIPTION | DATE | INITIAL  |
|           |     |             |      | APPROVED |



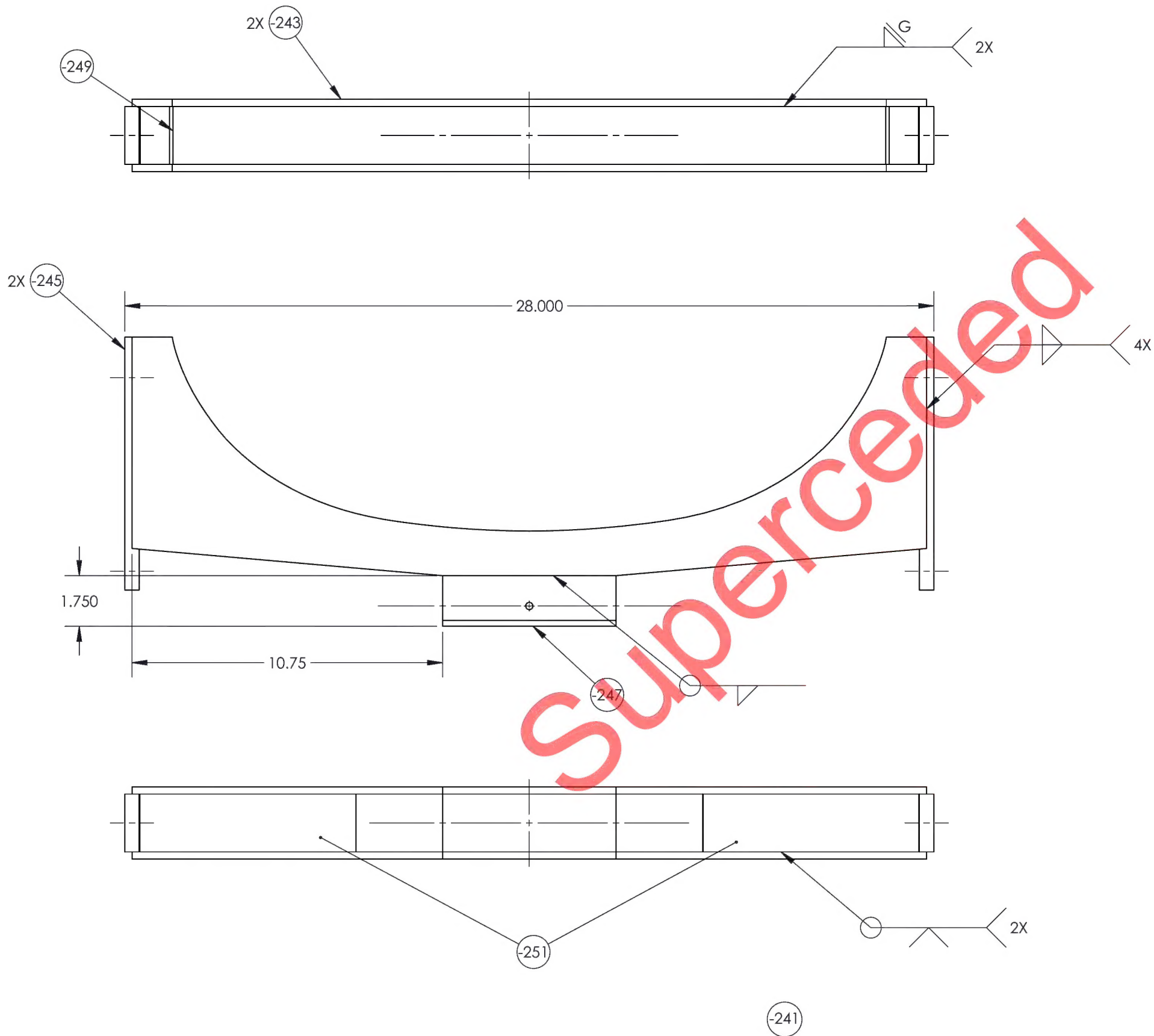
(-239)

REAR CRADLE SIDE

|   |                              |
|---|------------------------------|
| <b>DART<br/>AEROSPACE</b>               |                              |
| TITLE<br><b>SUPPORT DOLLY, TAILBOOM</b> |                              |
| DWG NO.<br><b>RB T102012-239</b>        | REV<br><b>1</b>              |
| MAT'L A36/1018/1020 HR                  | UNLESS OTHERWISE SPECIFIED   |
| HEAT TREAT                              | DIMENSIONS ARE IN INCHES     |
| FINISH SEE -235 WELDMENT                | .XXX ± .005 FRACTIONS ± 1/8  |
| SPEC                                    | .XX ± .01 ANGLES ± 5°        |
|   | .X ± .1 SURFACES = 125°      |
| DRAWN BY: GILBERT                       | 1. BREAK ALL SHARP EDGES     |
| CHECKED: CLOUGH                         | .015 x 45° OR .015R          |
| OPPS APPR: ANDERSON                     | 2. DIMENSIONAL LIMITS APPLY  |
| QA APPR: LINDSAY                        | AFTER PLATING                |
| APPROVED: GILBERT                       | 3. INTERPRET DIM AND TOL PER |
|   | ASME Y14.5M-2009             |
| SCALE 1:1                               | DATE 3/13/2014               |
|   | SHEET 5 OF 29                |

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

| REVISIONS |     |             | DATE | INITIAL | APPROVED |
|-----------|-----|-------------|------|---------|----------|
| REV       | ECR | DESCRIPTION |      |         |          |

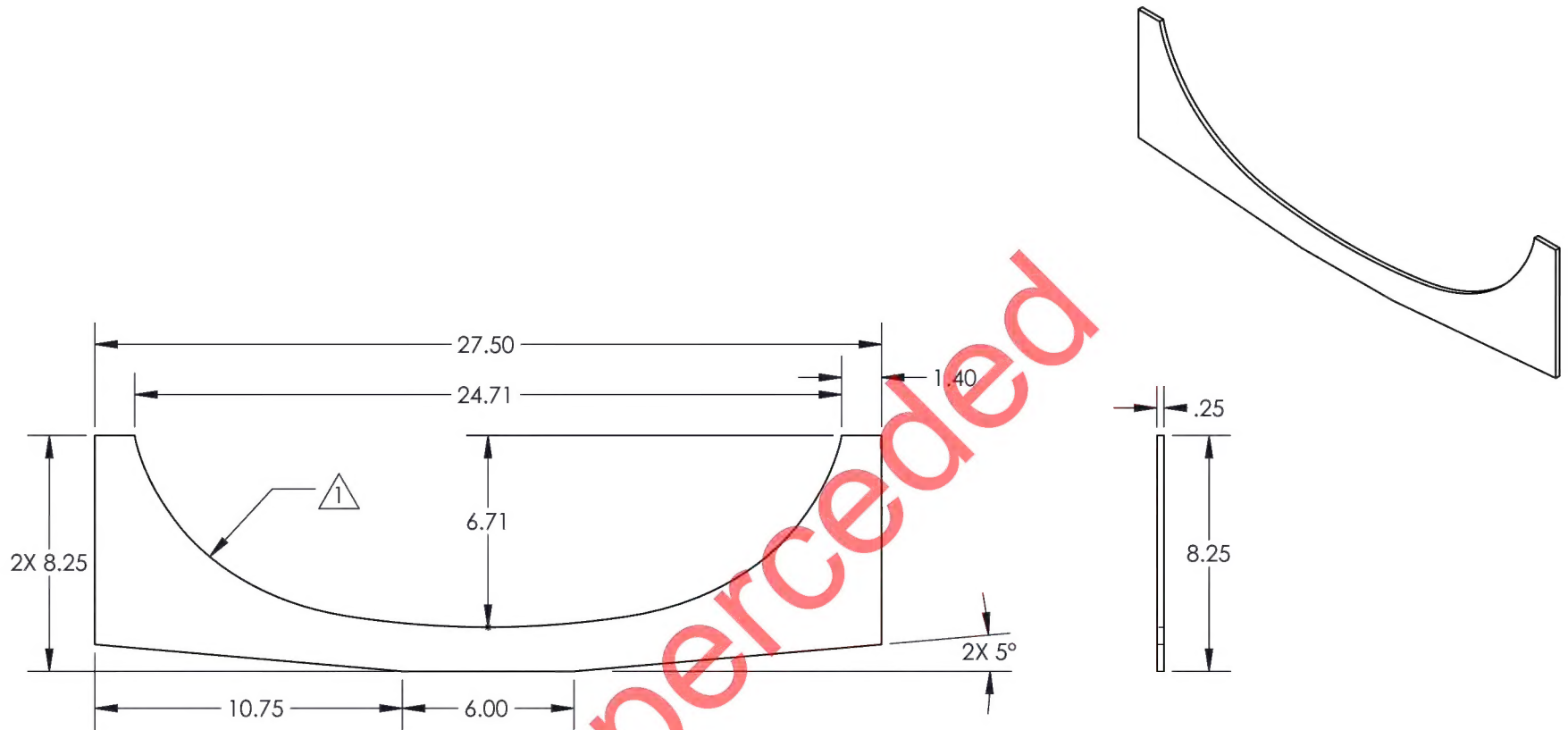


AFT CRADLE WELDMENT

| DART<br>AEROSPACE   |                   |               |
|---|-------------------|---------------|
| TITLE<br>SUPPORT DOLLY, TAILBOOM  |                   |               |
| DWG NO.<br>RB T102012-241   |                   | REV<br>1      |
| MATERIAL<br>UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES  |                   |               |
| HEAT TREAT<br>.XXX ± .010 FRACTIONS ± 1/8   |                   |               |
| FINISH POWDER COAT YELLOW<br>.XX ± .03 ANGLES ± 1°  |                   |               |
| SPEC FED #13538<br>.X ± .1 SURFACES = 125/  |                   |               |
| DRAWN BY: GILBERT<br>CHECKED: CLOUGH<br>OPPS APPR: ANDERSON<br>QA APPR: LINDSAY<br>APPROVED: GILBERT  |                   |               |
| 1. BREAK ALL SHARP EDGES<br>.015 x 45° OR .015R<br>2. DIMENSIONAL LIMITS APPLY<br>AFTER PLATING<br>3. INTERPRET DIM AND TOL PER<br>ASME Y14.5M-2009 |                   |               |
| USED ON MODEL<br>BELL 212, 214B, 214ST, 412   |                   |               |
| SCALE<br>1:4  | DATE<br>3/13/2014 | SHEET 6 OF 29 |

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

| REVISIONS |     |             |      |
|-----------|-----|-------------|------|
| REV       | ECR | DESCRIPTION | DATE |
|           |     |             |      |



NOTES:

1 USE CAD DATA FOR MANUFACTURE.



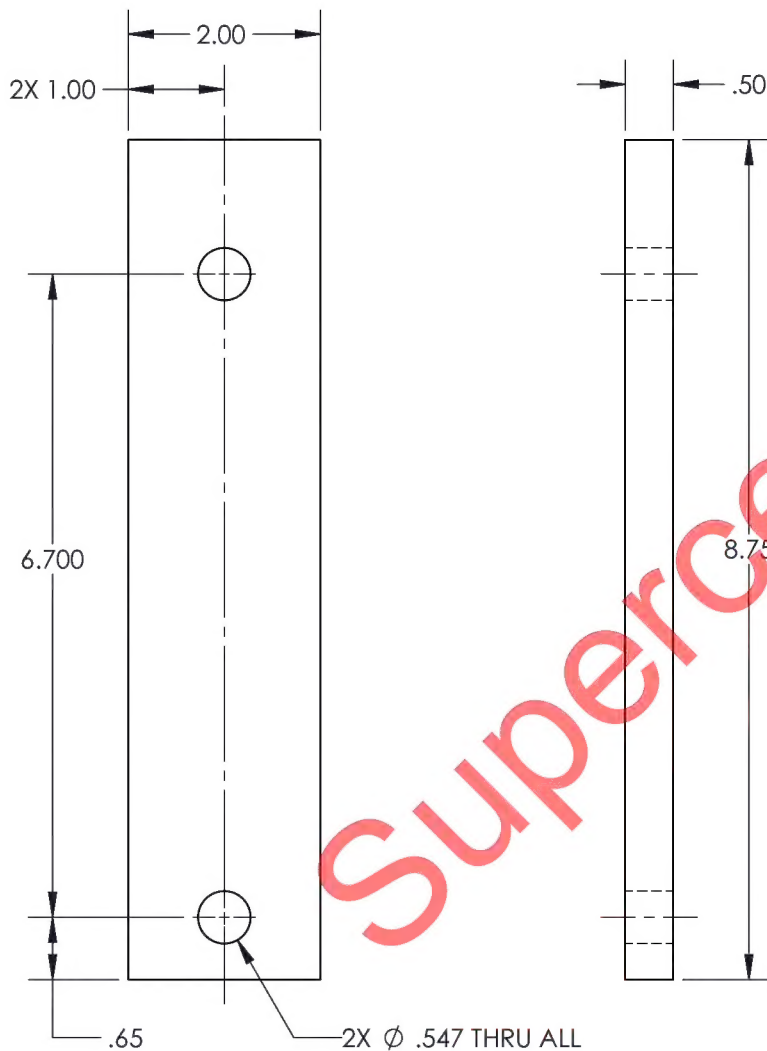
|                          |  |   |  |
|--------------------------|--|---|--|
| TITLE                    |  | SUPPORT DOLLY, TAILBOOM                       |  |
| DWG NO.                  |  | RB T102012-243                                |  |
| REV                      |  | 1   |  |
| MAT'L A36/1018/1020 HR   |  | UNLESS OTHERWISE SPECIFIED                    |  |
| HEAT TREAT               |  | DIMENSIONS ARE IN INCHES                      |  |
| FINISH SEE -241 WELDMENT |  | .XXX ± .010 FRACTIONS ± 1/8                   |  |
| SPEC                     |  | .XX ± .03 ANGLES ± 1°                         |  |
| DRAWN BY: GILBERT        |  | .X ± .1 SURFACES = 125✓                       |  |
| CHECKED: CLOUGH          |  | 1. BREAK ALL SHARP EDGES                      |  |
| OPPS APPR: ANDERSON      |  | .015 x 45° OR .015R                           |  |
| QA APPR: LINDSAY         |  | 2. DIMENSIONAL LIMITS APPLY                   |  |
| APPROVED: GILBERT        |  | AFTER PLATING                                 |  |
| SCALE 1:6                |  | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |  |
| DATE 3/13/2014           |  | USED ON MODEL                                 |  |
| SHEET 7 OF 29            |  | BELL 212, 214B, 214ST, 412                    |  |

(-243)

AFT CRADLE PLATE

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| REV       | ECR | DESCRIPTION | DATE | INITIAL  |
|           |     |             |      | APPROVED |



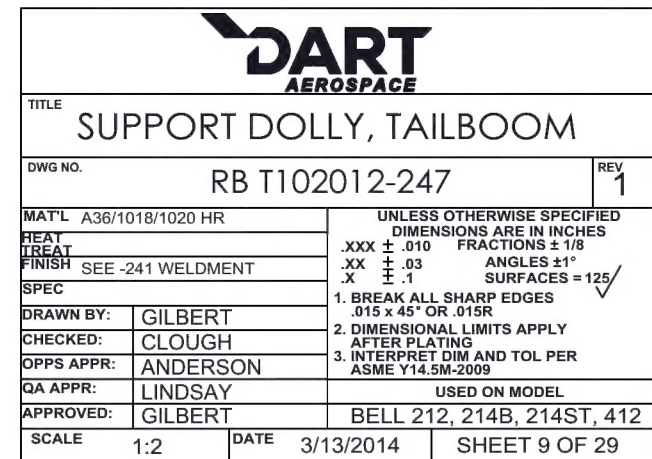
(-245)

AFT CRADLE SIDE PLATE

|   |  |
|---|--|
| <b>DART<br/>AEROSPACE</b>               |  |
| TITLE<br><b>SUPPORT DOLLY, TAILBOOM</b> |  |
| DWG NO.<br><b>RB T102012-245</b>        | REV<br><b>1</b>  |
| MAT'L A36/1018/1020 HR                  | UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES |
| HEAT TREAT                              | .XXX ± .010 FRACTIONS ± 1/8                            |
| FINISH SEE -241 WELDMENT                | .XX ± .03 ANGLES ± 1°                                  |
| SPEC                                    | .X ± .1 SURFACES = 125° ✓                              |
| DRAWN BY: GILBERT                       | 1. BREAK ALL SHARP EDGES<br>.015 x 45° OR .015R        |
| CHECKED: CLOUGH                         | 2. DIMENSIONAL LIMITS APPLY<br>AFTER PLATING           |
| OPPS APPR: ANDERSON                     | 3. INTERPRET DIM AND TOL PER<br>ASME Y14.5M-2009       |
| QA APPR: LINDSAY                        | USED ON MODEL  |
| APPROVED: GILBERT                       | BELL 212, 214B, 214ST, 412                             |
| SCALE 1:2                               | DATE 3/13/2014   |
| SHEET 8 OF 29                           |  |

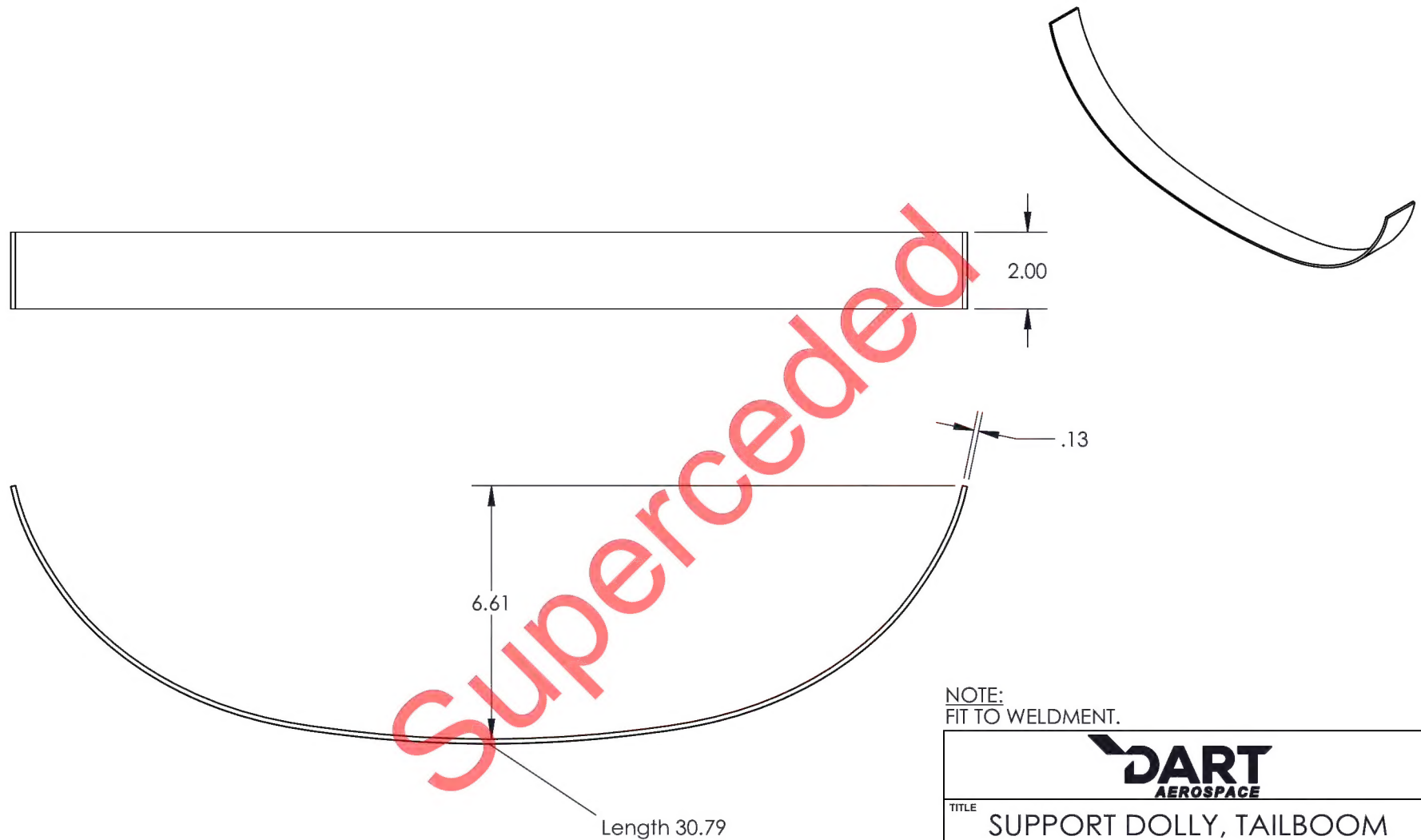


| REVISIONS |     |             |      |         |          |
|-----------|-----|-------------|------|---------|----------|
| REV       | ECR | DESCRIPTION | DATE | INITIAL | APPROVED |



This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| REV       | ECR | DESCRIPTION | DATE | INITIAL  |
|           |     |             |      | APPROVED |



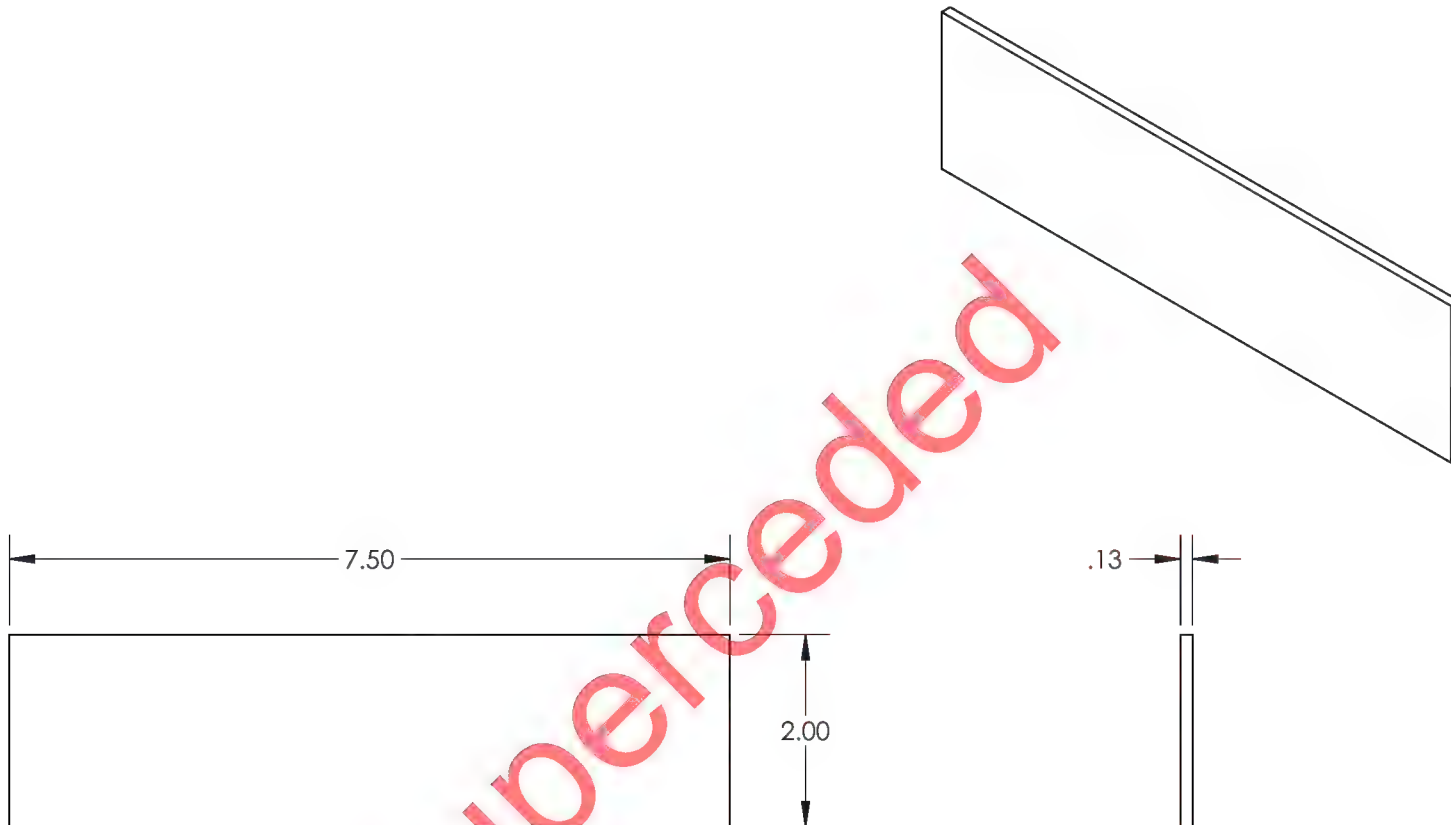
NOTE:  
FIT TO WELDMENT.

(-249)  
AFT CRADLE FACE

|                                  |                              |
|----------------------------------|------------------------------|
| <b>DART</b><br>AEROSPACE         |                              |
| TITLE<br>SUPPORT DOLLY, TAILBOOM |                              |
| DWG NO.<br>RB T102012-249        | REV<br>1                     |
| MAT'L A36/1018/1020 HR           | UNLESS OTHERWISE SPECIFIED   |
| HEAT TREAT                       | DIMENSIONS ARE IN INCHES     |
| FINISH SEE -241 WELDMENT         | .XXX ± .010 FRACTIONS ± 1/8  |
| SPEC                             | .XX ± .03 ANGLES ± 1°        |
|                                  | .X ± .1 SURFACES = 125       |
| DRAWN BY: GILBERT                | 1. BREAK ALL SHARP EDGES     |
| CHECKED: CLOUGH                  | .015 x 45° OR .015R          |
| OPPS APPR: ANDERSON              | 2. DIMENSIONAL LIMITS APPLY  |
| QA APPR: LINDSAY                 | AFTER PLATING                |
| APPROVED: GILBERT                | 3. INTERPRET DIM AND TOL PER |
|                                  | ASME Y14.5M-2009             |
| SCALE 1:4                        | DATE 3/13/2014               |
|                                  | SHEET 10 OF 29               |

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| REV       | ECR | DESCRIPTION | DATE | INITIAL  |
|           |     |             |      | APPROVED |



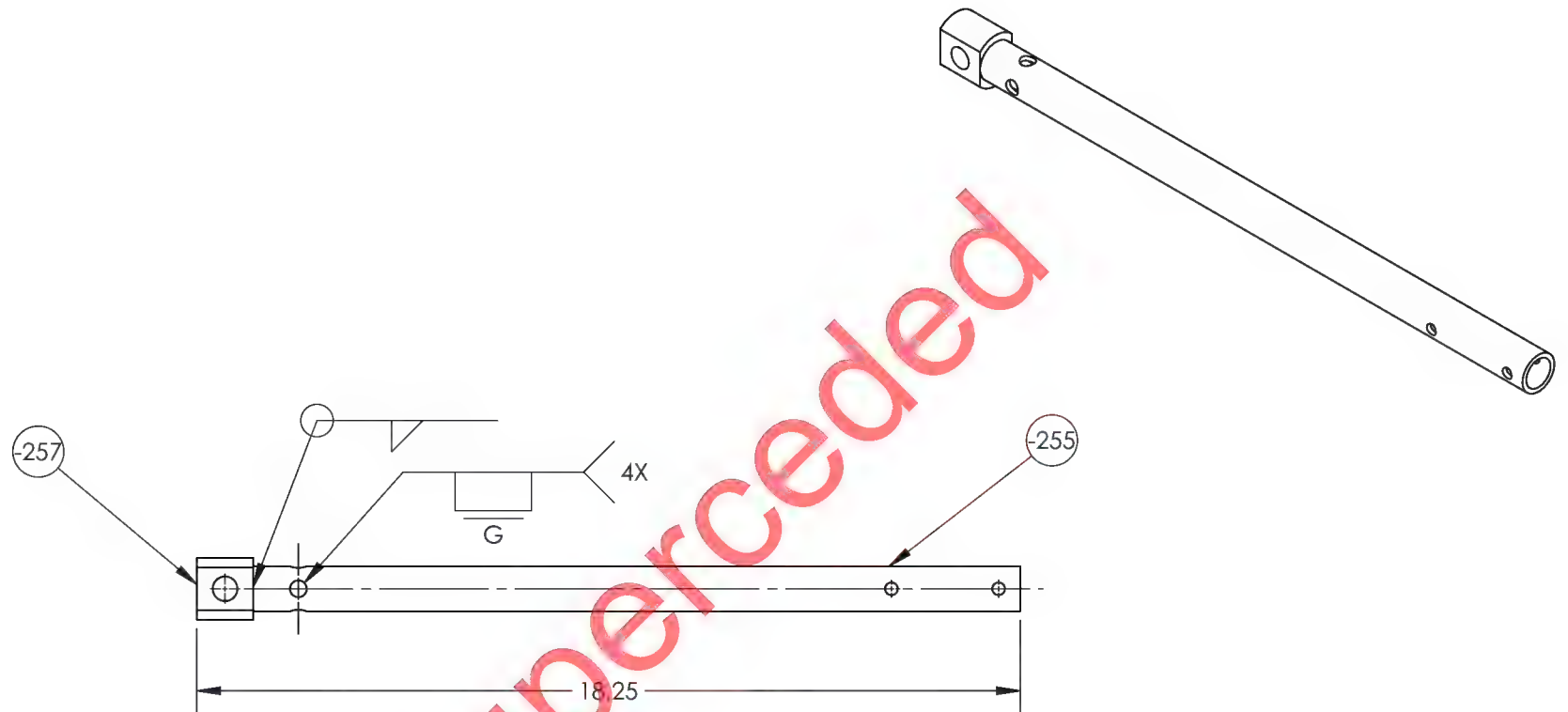
(-251)

AFT CRADLE BOTTOM PLATE

|   |                              |
|---|------------------------------|
| <b>DART</b><br>AEROSPACE                |                              |
| TITLE<br><b>SUPPORT DOLLY, TAILBOOM</b> |                              |
| DWG NO.<br><b>RB T102012-251</b>        | REV<br><b>1</b>              |
| MAT'L A36/1018/1020 HR                  | UNLESS OTHERWISE SPECIFIED   |
| HEAT TREAT                              | DIMENSIONS ARE IN INCHES     |
| FINISH SEE -241 WELDMENT                | .XXX ± .010 FRACTIONS ± 1/8  |
| SPEC                                    | .XX ± .03 ANGLES ± 1°        |
|   | .X ± .1 SURFACES = 125° ✓    |
| DRAWN BY: GILBERT                       | 1. BREAK ALL SHARP EDGES     |
| CHECKED: CLOUGH                         | .015 x 45° OR .015R          |
| OPPS APPR: ANDERSON                     | 2. DIMENSIONAL LIMITS APPLY  |
| QA APPR: LINDSAY                        | AFTER PLATING                |
| APPROVED: GILBERT                       | 3. INTERPRET DIM AND TOL PER |
|   | ASME Y14.5M-2009             |
| SCALE 1:2                               | DATE 3/13/2014               |
|   | SHEET 11 OF 29               |

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

| REVISIONS |     |             |      |         |
|-----------|-----|-------------|------|---------|
| REV       | ECR | DESCRIPTION | DATE | INITIAL |



-253

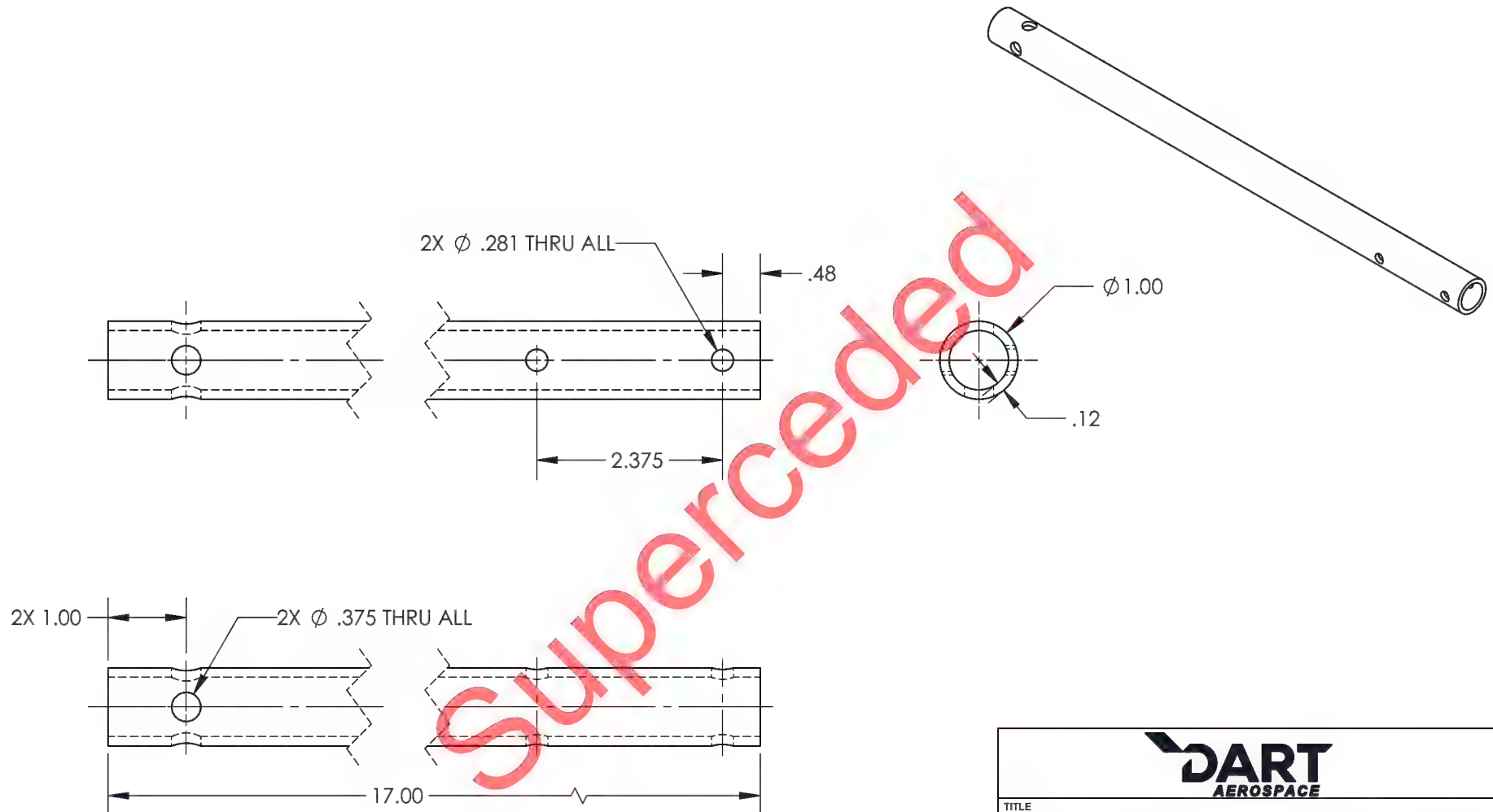
TOP TUBE WELDMENT

|   |   |
|---|---|
| <b>DART</b><br>AEROSPACE                              |   |
| TITLE<br>SUPPORT DOLLY, TAILBOOM                      |   |
| DWG NO.<br>RB T102012-253                             | REV<br>1  |
| MAT'L<br>FRT<br>TREAT<br>FINISH<br>POWDER COAT YELLOW | UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>.XXX ± .010 FRACTIONS ± 1/8<br>.XX ± .03 ANGLES ± 1°<br>.X ± .1 SURFACES = 125° |
| SPEC<br>FED #13538                                    | 1. BREAK ALL SHARP EDGES<br>.015 x 45° OR .015R   |
| DRAWN BY:<br>GILBERT                                  | 2. DIMENSIONAL LIMITS APPLY<br>AFTER PLATING  |
| CHECKED:<br>CLOUGH                                    | 3. INTERPRET DIM AND TOL PER<br>ASME Y14.5M-2009  |
| OPPS APPR:<br>ANDERSON                                | USED ON MODEL   |
| QA APPR:<br>LINDSAY                                   | BELL 212, 214B, 214ST, 412  |
| APPROVED:<br>GILBERT                                  |   |
| SCALE<br>1:4  | DATE<br>3/13/2014   |
| SHEET 12 OF 29  |   |



This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| REV       | ECR | DESCRIPTION | DATE | INITIAL  |
|           |     |             |      | APPROVED |



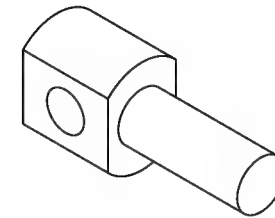
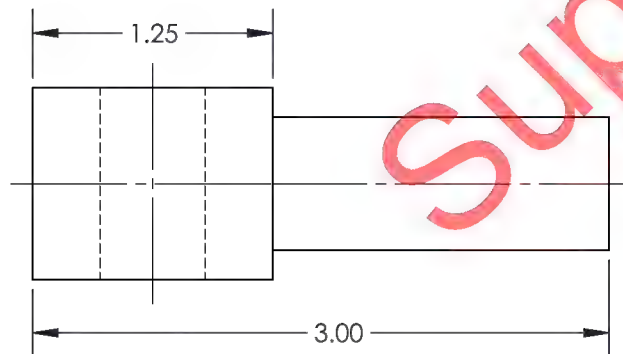
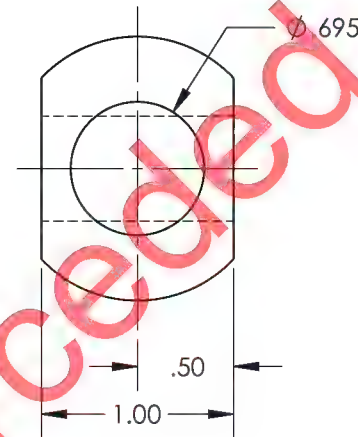
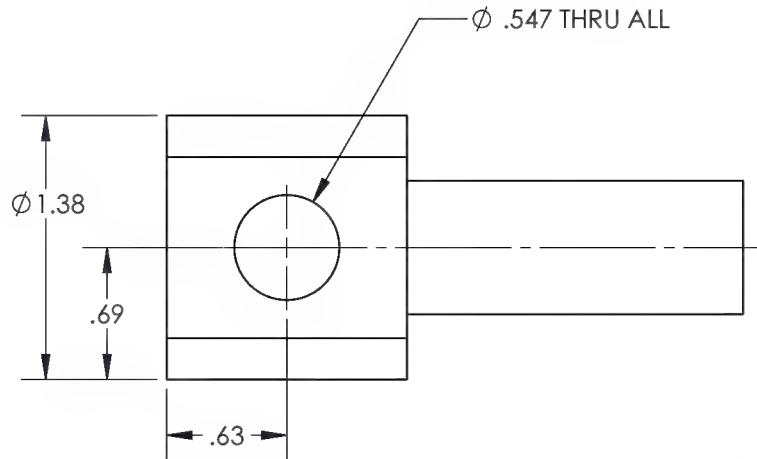
(-255)

TOP TUBE

|                                  |                                     |
|----------------------------------|-------------------------------------|
| <b>DART</b><br>AEROSPACE         |                                     |
| TITLE<br>SUPPORT DOLLY, TAILBOOM |                                     |
| DWG NO.<br>RB T102012-255        | REV<br>1                            |
| MAT'L DOM                        | UNLESS OTHERWISE SPECIFIED          |
| HEAT TREAT                       | DIMENSIONS ARE IN INCHES            |
| FINISH SEE -253 WELDMENT         | .XXX $\pm$ .010 FRACTIONS $\pm$ 1/8 |
| SPEC                             | .XX $\pm$ .03 ANGLES $\pm$ 1°       |
|                                  | .X $\pm$ .1 SURFACES = 125° ✓       |
| DRAWN BY: GILBERT                | 1. BREAK ALL SHARP EDGES            |
| CHECKED: CLOUGH                  | .015 x 45° OR .015R                 |
| OPPS APPR: ANDERSON              | 2. DIMENSIONAL LIMITS APPLY         |
| QA APPR: LINDSAY                 | AFTER PLATING                       |
| APPROVED: GILBERT                | 3. INTERPRET DIM AND TOL PER        |
|                                  | ASME Y14.5M-2009                    |
| SCALE 1:2                        | DATE 3/13/2014                      |
|                                  | SHEET 13 OF 29                      |

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| REV       | ECR | DESCRIPTION | DATE | INITIAL  |
|           |     |             |      | APPROVED |



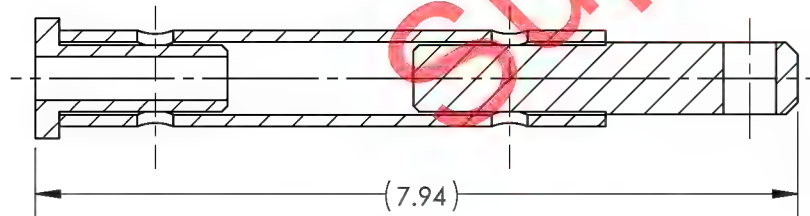
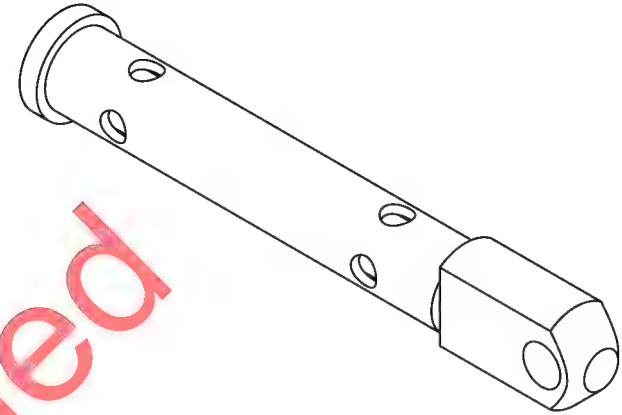
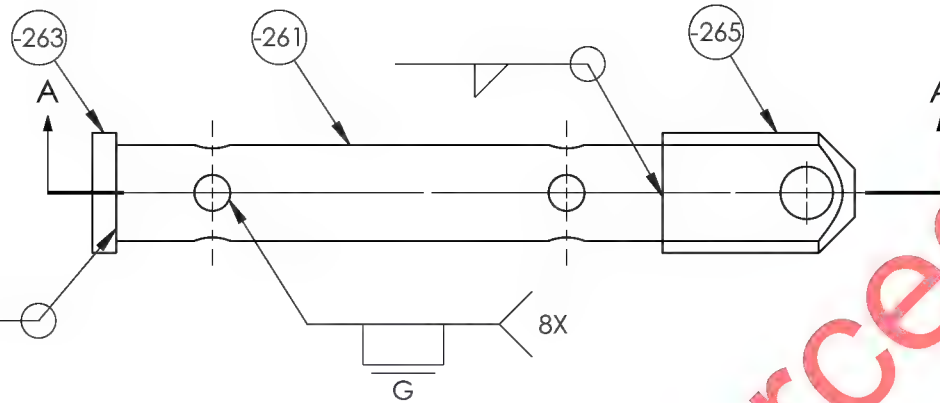
(-257)

MOUNT PIN

|                                  |                              |
|----------------------------------|------------------------------|
| <b>DART</b><br>AEROSPACE         |                              |
| TITLE<br>SUPPORT DOLLY, TAILBOOM |                              |
| DWG NO.<br>RB T102012-257        | REV<br>1                     |
| MAT'L A36/1018/1020 HR           | UNLESS OTHERWISE SPECIFIED   |
| HEAT TREAT                       | DIMENSIONS ARE IN INCHES     |
| FINISH SEE -253 WELDMENT         | .XXX ± .005 FRACTIONS ± 1/8  |
| SPEC                             | .XX ± .01 ANGLES ± .5°       |
|                                  | .X ± .1 SURFACES = 125°      |
| DRAWN BY: GILBERT                | 1. BREAK ALL SHARP EDGES     |
| CHECKED: CLOUGH                  | .015 x 45° OR .015R          |
| OPPS APPR: ANDERSON              | 2. DIMENSIONAL LIMITS APPLY  |
| QA APPR: LINDSAY                 | AFTER PLATING                |
| APPROVED: GILBERT                | 3. INTERPRET DIM AND TOL PER |
|                                  | ASME Y14.5M-2009             |
| SCALE 1:1                        | DATE 3/13/2014               |
|                                  | SHEET 14 OF 29               |

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

| REVISIONS |     |             |  |  |      |         |          |
|-----------|-----|-------------|--|--|------|---------|----------|
| REV       | ECR | DESCRIPTION |  |  | DATE | INITIAL | APPROVED |



SECTION A-A

(-259)

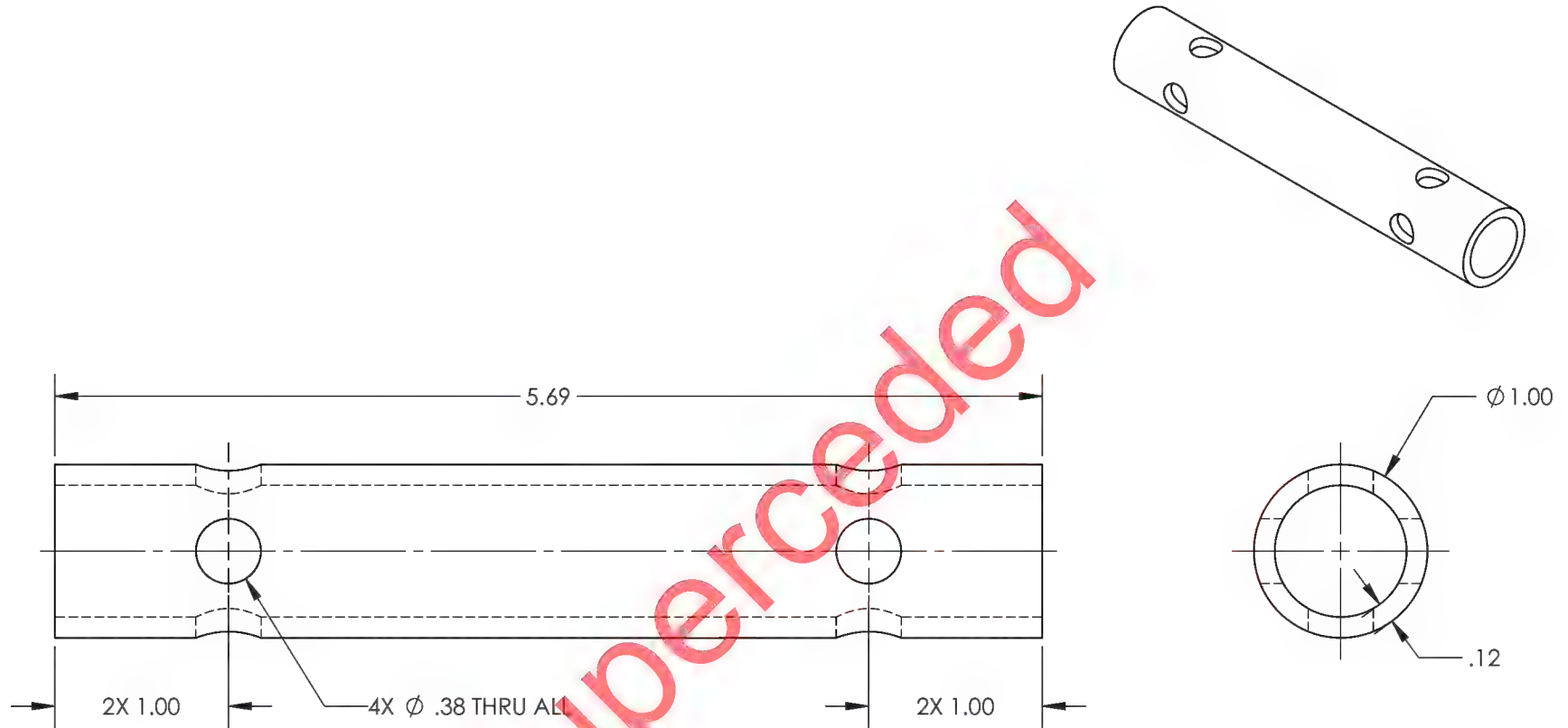
LOWER AFT TUBE WELDMENT



|                           |  |                |  |   |  |  |  |          |
|---------------------------|--|----------------|--|---|--|--|--|----------|
| TITLE                     |  |                |  | SUPPORT DOLLY, TAILBOOM                       |  |  |  |          |
| DWG NO.                   |  |                |  | RB T102012-259                                |  |  |  | REV<br>1 |
| MAT'L                     |  |                |  | UNLESS OTHERWISE SPECIFIED                    |  |  |  |          |
| HEAT TREAT                |  |                |  | DIMENSIONS ARE IN INCHES                      |  |  |  |          |
| FINISH POWDER COAT YELLOW |  |                |  | .XXX ± .010 FRACTIONS ± 1/8                   |  |  |  |          |
| SPEC FED #13538           |  |                |  | .XX ± .03 ANGLES ± 1°                         |  |  |  |          |
|                           |  |                |  | .X ± .1 SURFACES = 125✓                       |  |  |  |          |
| DRAWN BY: GILBERT         |  |                |  | 1. BREAK ALL SHARP EDGES                      |  |  |  |          |
| CHECKED: CLOUGH           |  |                |  | .015 x 45° OR .015R                           |  |  |  |          |
| OPPS APPR: ANDERSON       |  |                |  | 2. DIMENSIONAL LIMITS APPLY                   |  |  |  |          |
| QA APPR: LINDSAY          |  |                |  | AFTER PLATING                                 |  |  |  |          |
| APPROVED: GILBERT         |  |                |  | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |  |  |  |          |
|                           |  |                |  | USED ON MODEL                                 |  |  |  |          |
|                           |  |                |  | BELL 212, 214B, 214ST, 412                    |  |  |  |          |
| SCALE 1:2                 |  | DATE 3/13/2014 |  | SHEET 15 OF 29                                |  |  |  |          |

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| REV       | ECR | DESCRIPTION | DATE | INITIAL  |
|           |     |             |      | APPROVED |



(-261)

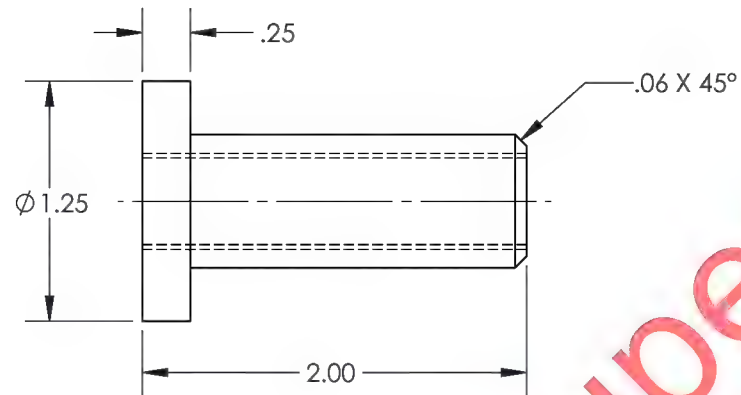
LOWER TUBE AFT

|  |   |
|--|---|
| <b>DART<br/>AEROSPACE</b>                    |   |
| TITLE<br><b>SUPPORT DOLLY, TAILBOOM</b>      |   |
| DWG NO.<br><b>RB T102012-261</b>             | REV<br><b>1</b>   |
| MAT'L DOM<br><b>SEE -259, -267 WELDMENTS</b> | UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>.XXX ± .010 FRACTIONS ± 1/8<br>.XX ± .03 ANGLES ± 1°<br>.X ± .1 SURFACES = 125° |
| SPEC   | 1. BREAK ALL SHARP EDGES<br>.015 x 45° OR .015R   |
| DRAWN BY: <b>GILBERT</b>                     | 2. DIMENSIONAL LIMITS APPLY<br>AFTER PLATING  |
| CHECKED: <b>CLOUGH</b>                       | 3. INTERPRET DIM AND TOL PER<br>ASME Y14.5M-2009  |
| OPPS APPR: <b>ANDERSON</b>                   | USED ON MODEL   |
| QA APPR: <b>LINDSAY</b>                      |   |
| APPROVED: <b>GILBERT</b>                     | <b>BELL 212, 214B, 214ST, 412</b>   |
| SCALE<br><b>1:1</b>                          | DATE<br><b>3/13/2014</b>  |
| SHEET 16 OF 29                               |   |

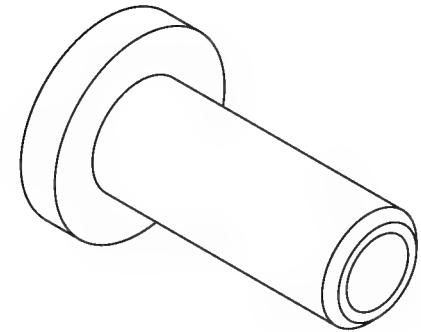
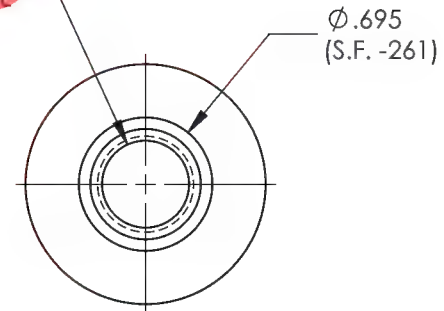


This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| REV       | ECR | DESCRIPTION | DATE | INITIAL  |
|           |     |             |      | APPROVED |



1/2-20 UNF - 2B THRU ALL



Supercircled

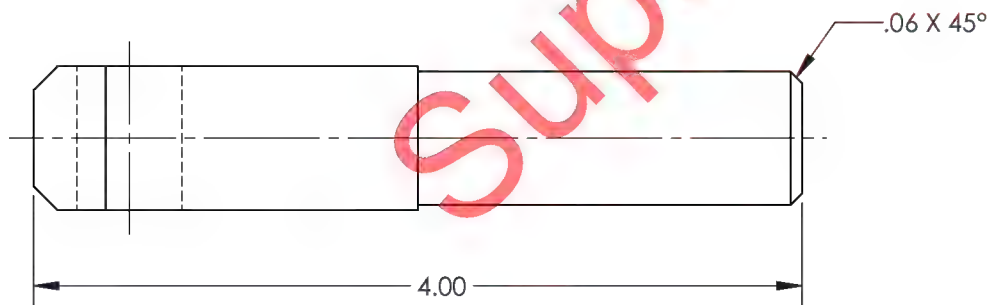
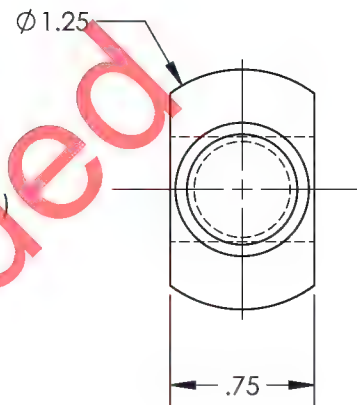
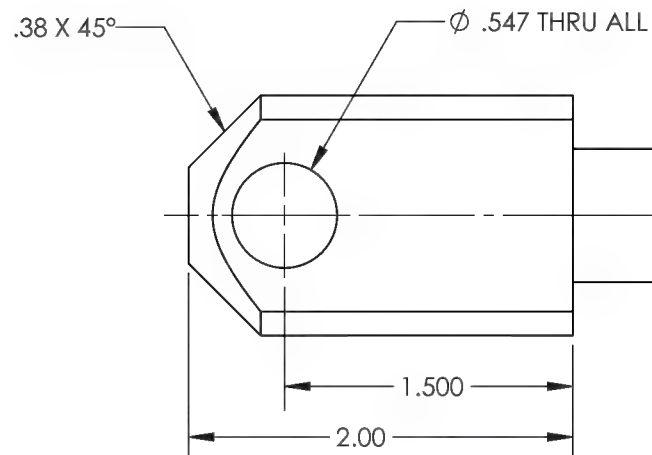
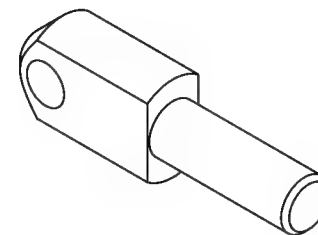
-263

LOWER TUBE PIN

|   |                              |
|---|------------------------------|
| <b>DART<br/>AEROSPACE</b>               |                              |
| TITLE<br><b>SUPPORT DOLLY, TAILBOOM</b> |                              |
| DWG NO.<br><b>RB T102012-263</b>        | REV<br><b>1</b>              |
| MAT'L A36/1018/1020 HR                  | UNLESS OTHERWISE SPECIFIED   |
| HEAT TREAT                              | DIMENSIONS ARE IN INCHES     |
| FINISH SEE -259 WELDMENT                | .XXX ± .010 FRACTIONS ± 1/8  |
| SPEC                                    | .XX ± .03 ANGLES ± 1°        |
|   | .X ± .1 SURFACES = 125       |
| DRAWN BY: GILBERT                       | 1. BREAK ALL SHARP EDGES     |
| CHECKED: CLOUGH                         | .015 x 45° OR .015R          |
| OPPS APPR: ANDERSON                     | 2. DIMENSIONAL LIMITS APPLY  |
| QA APPR: LINDSAY                        | AFTER PLATING                |
| APPROVED: GILBERT                       | 3. INTERPRET DIM AND TOL PER |
|   | ASME Y14.5M-2009             |
| SCALE 1:1                               | DATE 3/13/2014               |
|   | SHEET 17 OF 29               |

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

| REVISIONS |     |             |      |         |
|-----------|-----|-------------|------|---------|
| REV       | ECR | DESCRIPTION | DATE | INITIAL |



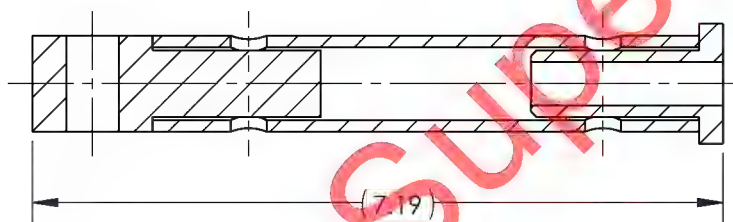
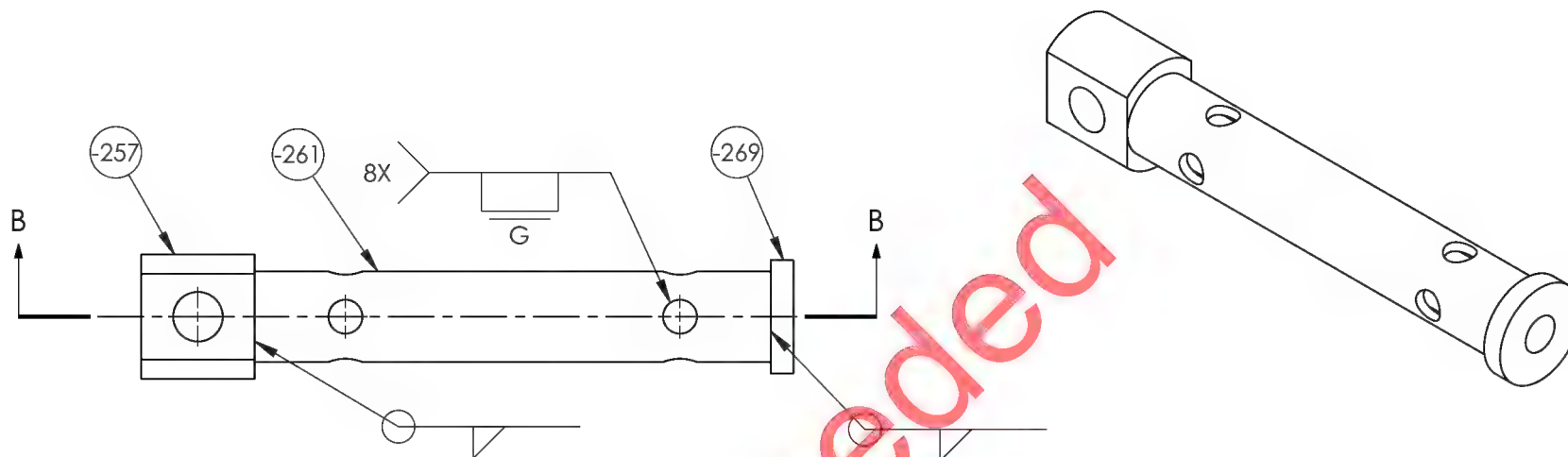
(-265)

LOWER TUBE MOUNT PIN AFT

|   |  |
|---|--|
| <b>DART</b><br>AEROSPACE                |  |
| TITLE<br><b>SUPPORT DOLLY, TAILBOOM</b> |  |
| DWG NO.<br><b>RB T102012-265</b>        | REV<br><b>1</b>  |
| MAT'L<br>A36/1018/1020 HR               | UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES |
| HEAT TREAT<br>SEE -259 WELDMENT         | .XXX ± .005 FRACTIONS ± 1/8                            |
| FINISH<br>SEE -259 WELDMENT             | .XX ± .01 ANGLES ± 5°                                  |
| SPEC                                    | .X ± .1 SURFACES = 125°                                |
| DRAWN BY:<br>GILBERT                    | 1. BREAK ALL SHARP EDGES<br>.015 x 45° OR .015R        |
| CHECKED:<br>CLOUGH                      | 2. DIMENSIONAL LIMITS APPLY<br>AFTER PLATING           |
| OPPS APPR:<br>ANDERSON                  | 3. INTERPRET DIM AND TOL PER<br>ASME Y14.5M-2009       |
| QA APPR:<br>LINDSAY                     | USED ON MODEL  |
| APPROVED:<br>GILBERT                    | BELL 212, 214B, 214ST, 412                             |
| SCALE<br>1:1                            | DATE<br>3/13/2014                                      |
| SHEET 18 OF 29                          |  |

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

| REVISIONS |     |             |          |
|-----------|-----|-------------|----------|
| REV       | ECR | DESCRIPTION | DATE     |
|           |     |             | INITIAL  |
|           |     |             | APPROVED |



SECTION B-B

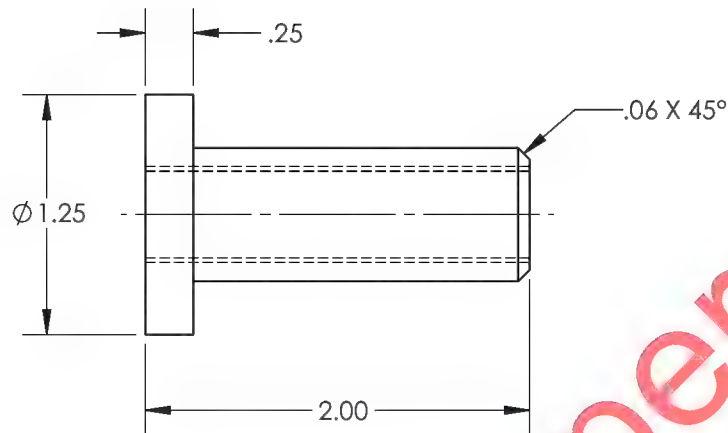
(-267)

LOWER FORWARD TUBE WELDMENT

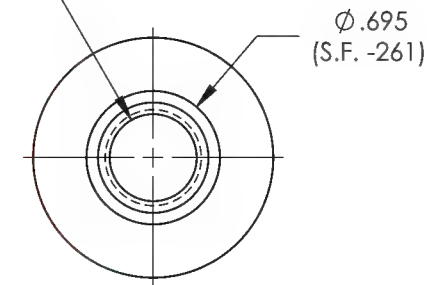
|  |   |
|--|---|
| <b>DART</b><br>AEROSPACE                             |   |
| TITLE<br><b>SUPPORT DOLLY, TAILBOOM</b>              |   |
| DWG NO.<br><b>RB T102012-267</b>                     | REV<br><b>1</b>   |
| MAT'L<br><b>REAR TREAT FINISH POWDER COAT YELLOW</b> | UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>.XXX ± .010 FRACTIONS ± 1/8<br>.XX ± .03 ANGLES ± 1°<br>.X ± .1 SURFACES = 125° |
| SPEC<br><b>FED #13538</b>                            | 1. BREAK ALL SHARP EDGES<br>.015 x 45° OR .015R   |
| DRAWN BY:<br><b>GILBERT</b>                          | 2. DIMENSIONAL LIMITS APPLY<br>AFTER PLATING  |
| CHECKED:<br><b>CLOUGH</b>                            | 3. INTERPRET DIM AND TOL PER<br>ASME Y14.5M-2009  |
| OPPS APPR:<br><b>ANDERSON</b>                        | USED ON MODEL   |
| QA APPR:<br><b>LINDSAY</b>                           | BELL 212, 214B, 214ST, 412  |
| APPROVED:<br><b>GILBERT</b>                          |   |
| SCALE<br><b>1:2</b>                                  | DATE<br><b>3/13/2014</b>  |
| SHEET 19 OF 29                                       |   |

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| REV       | ECR | DESCRIPTION | DATE | INITIAL  |
|           |     |             |      | APPROVED |



1/2-20 UNF - 25, LH THRU ALL



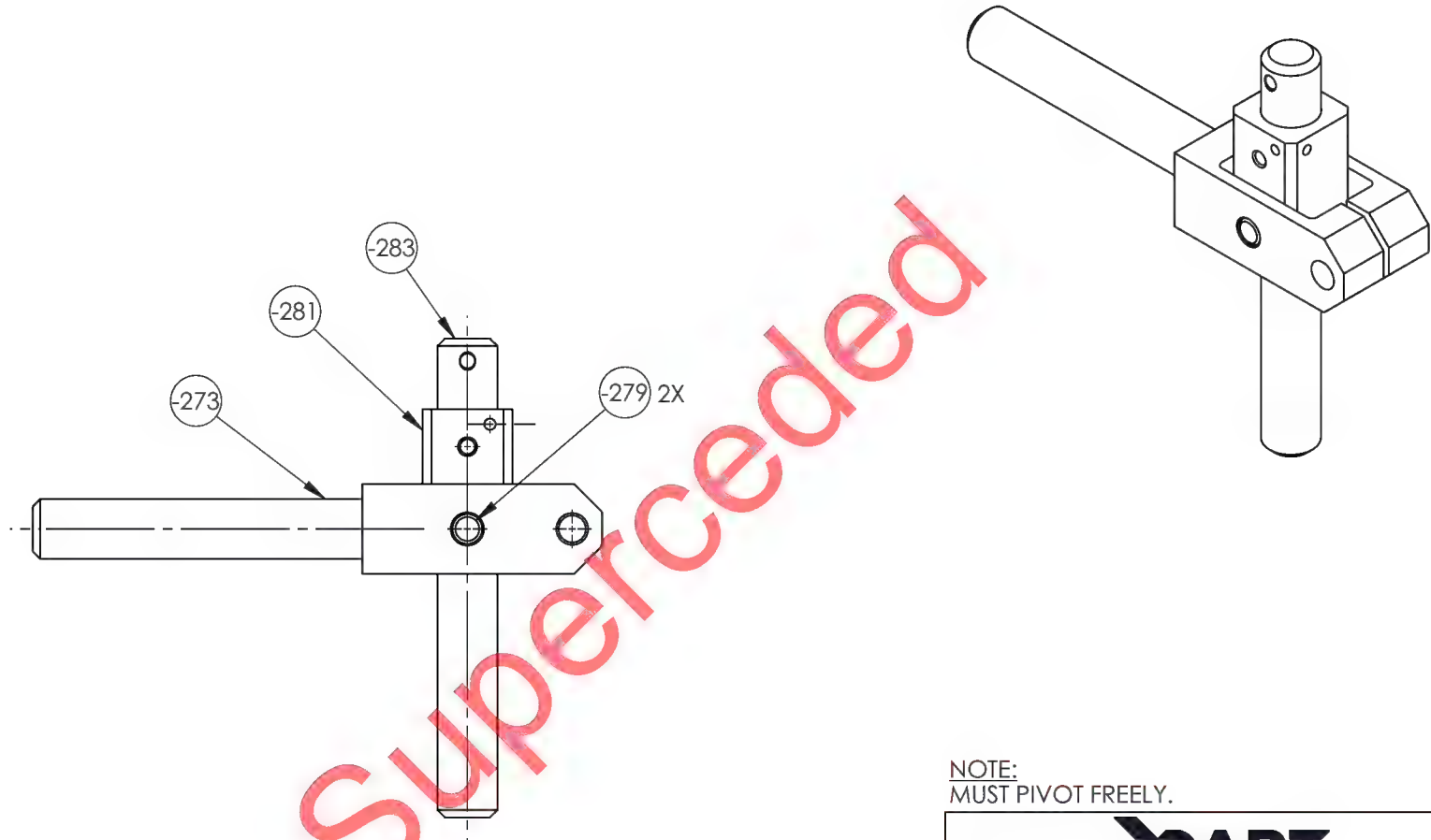
(-269)  
LOWER TUBE LH PIN

|   |                              |
|---|------------------------------|
| <b>DART<br/>AEROSPACE</b>               |                              |
| TITLE<br><b>SUPPORT DOLLY, TAILBOOM</b> |                              |
| DWG NO.<br><b>RB T102012-269</b>        | REV<br><b>1</b>              |
| MAT'L A36/1018/1020 HR                  | UNLESS OTHERWISE SPECIFIED   |
| HEAT TREAT                              | DIMENSIONS ARE IN INCHES     |
| FINISH SEE -257 WELDMENT                | .XXX ± .010 FRACTIONS ± 1/8  |
| SPEC                                    | .XX ± .03 ANGLES ± 1°        |
|   | .X ± .1 SURFACES = 125°      |
| DRAWN BY: GILBERT                       | 1. BREAK ALL SHARP EDGES     |
| CHECKED: CLOUGH                         | .015 x 45° OR .015R          |
| OPPS APPR: ANDERSON                     | 2. DIMENSIONAL LIMITS APPLY  |
| QA APPR: LINDSAY                        | AFTER PLATING                |
| APPROVED: GILBERT                       | 3. INTERPRET DIM AND TOL PER |
|   | ASME Y14.5M-2009             |
| SCALE 1:1                               | DATE 3/13/2014               |
|   | SHEET 20 OF 29               |



This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| REV       | ECR | DESCRIPTION | DATE | INITIAL  |
|           |     |             |      | APPROVED |



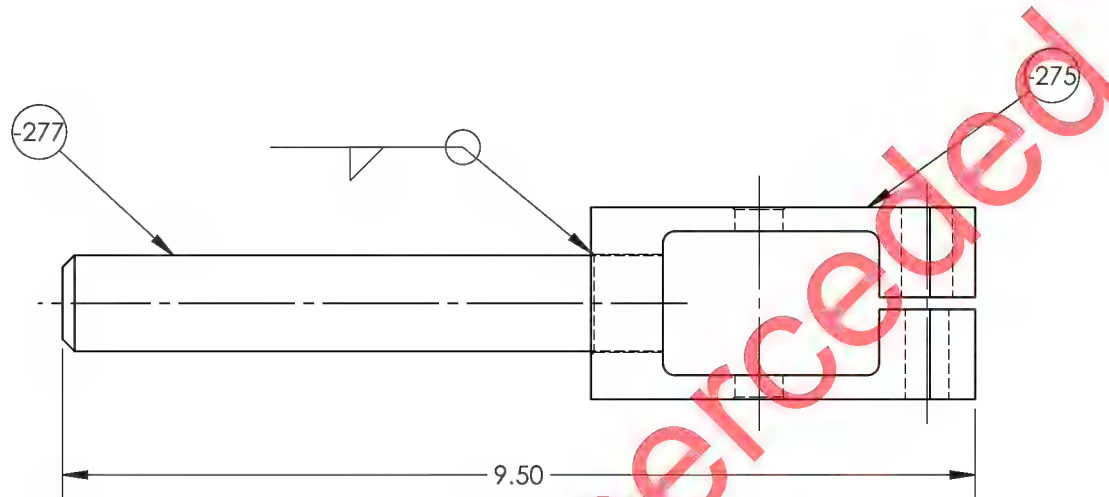
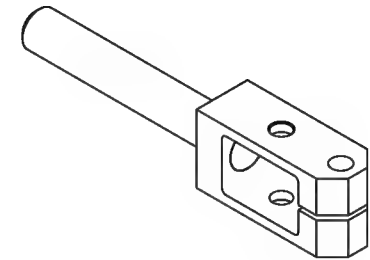
NOTE:  
MUST PIVOT FREELY.

AFT ADJUSTABLE CLAMP ASSEMBLY

|   |  |
|---|--|
| <b>DART<br/>AEROSPACE</b>               |  |
| TITLE<br><b>SUPPORT DOLLY, TAILBOOM</b> |  |
| DWG NO.<br><b>RB T102012-271</b>        | REV<br><b>1</b>  |
| MAT'L<br><b>6061-T6 ALUMINUM</b>        | UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES |
| FINISH<br><b>POWDER COAT YELLOW</b>     | .XXX ± .005 FRACTIONS ± 1/8                            |
| SPEC<br><b>FED #13538</b>               | .XX ± .01 ANGLES ± 5°                                  |
| DRAWN BY:<br><b>GILBERT</b>             | .X ± .1 SURFACES = 125° ✓                              |
| CHECKED:<br><b>CLOUGH</b>               | 1. BREAK ALL SHARP EDGES<br>.015 x 45° OR .015R        |
| OPPS APPR:<br><b>ANDERSON</b>           | 2. DIMENSIONAL LIMITS APPLY<br>AFTER PLATING           |
| QA APPR:<br><b>LINDSAY</b>              | 3. INTERPRET DIM AND TOL PER<br>ASME Y14.5M-2009       |
| APPROVED:<br><b>GILBERT</b>             | USED ON MODEL  |
| SCALE<br><b>1:3</b>                     | BELL 212, 214B, 214ST, 412                             |
| DATE<br><b>3/13/2014</b>                | SHEET 21 OF 29   |

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| REV       | ECR | DESCRIPTION | DATE | INITIAL  |
|           |     |             |      | APPROVED |



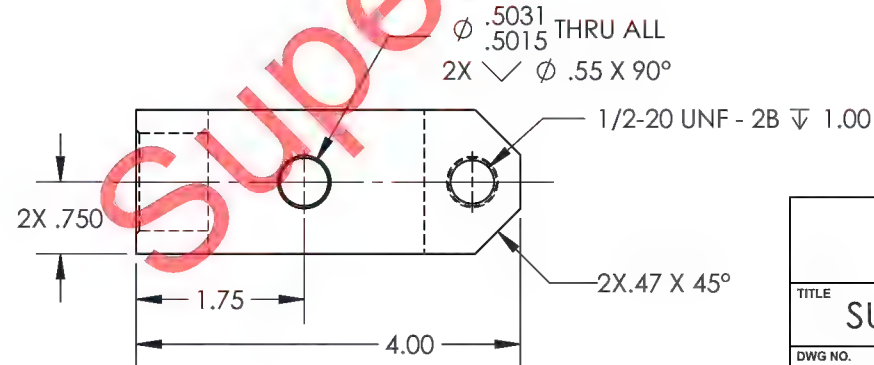
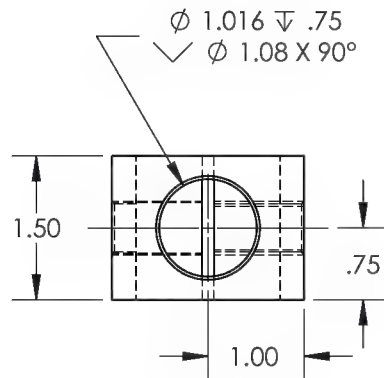
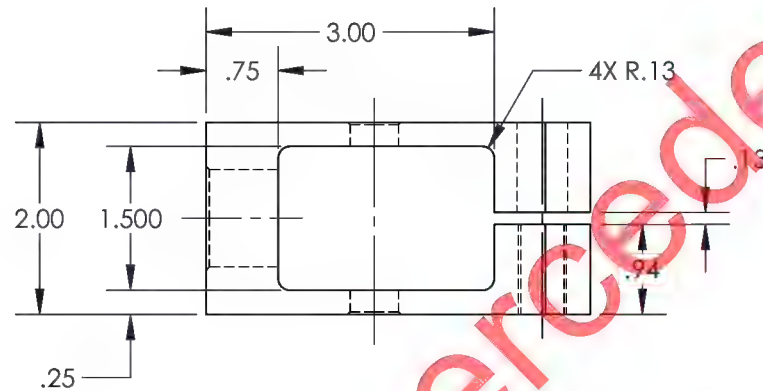
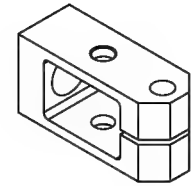
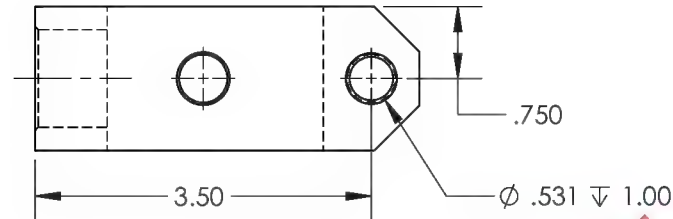
Superseded

(273)  
AFT CLAMP WELDMENT

|  |  |  |   |   |  |           |                |
|--|--|--|---|---|--|-----------|----------------|
| <b>DART</b><br>AEROSPACE   |  |  |   |   |  |           |                |
| TITLE: SUPPORT DOLLY, TAILBOOM   |  |  |   |   |  |           |                |
| DWG NO. RB T102012-273   | REV 1  |  |   |   |  |           |                |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">           MAT'L<br/>           HEAT TREAT<br/>           FINISH ZINC PLATE<br/>           SPEC ASTM B633 TYPE I SC 2         </td> <td style="width: 50%;">           UNLESS OTHERWISE SPECIFIED<br/>           DIMENSIONS ARE IN INCHES<br/>           .XXX ± .010 FRACTIONS ± 1/8<br/>           .XX ± .03 ANGLES ± 1°<br/>           .X ± .1 SURFACES = 125✓         </td> </tr> <tr> <td>           DRAWN BY: GILBERT<br/>           CHECKED: CLOUGH<br/>           OPPTS APPR: ANDERSON<br/>           QA APPR: LINDSAY<br/>           APPROVED: GILBERT         </td> <td>           1. BREAK ALL SHARP EDGES<br/>              .015 x 45° OR .015R<br/>           2. DIMENSIONAL LIMITS APPLY<br/>              AFTER PLATING<br/>           3. INTERPRET DIM AND TOL PER<br/>              ASME Y14.5M-2009<br/>           USED ON MODEL<br/>           BELL 212, 214B, 214ST, 412         </td> </tr> <tr> <td>SCALE 1:2</td> <td>DATE 3/13/2014</td> </tr> </table> |  | MAT'L<br>HEAT TREAT<br>FINISH ZINC PLATE<br>SPEC ASTM B633 TYPE I SC 2 | UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>.XXX ± .010 FRACTIONS ± 1/8<br>.XX ± .03 ANGLES ± 1°<br>.X ± .1 SURFACES = 125✓ | DRAWN BY: GILBERT<br>CHECKED: CLOUGH<br>OPPTS APPR: ANDERSON<br>QA APPR: LINDSAY<br>APPROVED: GILBERT | 1. BREAK ALL SHARP EDGES<br>.015 x 45° OR .015R<br>2. DIMENSIONAL LIMITS APPLY<br>AFTER PLATING<br>3. INTERPRET DIM AND TOL PER<br>ASME Y14.5M-2009<br>USED ON MODEL<br>BELL 212, 214B, 214ST, 412 | SCALE 1:2 | DATE 3/13/2014 |
| MAT'L<br>HEAT TREAT<br>FINISH ZINC PLATE<br>SPEC ASTM B633 TYPE I SC 2   | UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>.XXX ± .010 FRACTIONS ± 1/8<br>.XX ± .03 ANGLES ± 1°<br>.X ± .1 SURFACES = 125✓  |  |   |   |  |           |                |
| DRAWN BY: GILBERT<br>CHECKED: CLOUGH<br>OPPTS APPR: ANDERSON<br>QA APPR: LINDSAY<br>APPROVED: GILBERT  | 1. BREAK ALL SHARP EDGES<br>.015 x 45° OR .015R<br>2. DIMENSIONAL LIMITS APPLY<br>AFTER PLATING<br>3. INTERPRET DIM AND TOL PER<br>ASME Y14.5M-2009<br>USED ON MODEL<br>BELL 212, 214B, 214ST, 412 |  |   |   |  |           |                |
| SCALE 1:2  | DATE 3/13/2014   |  |   |   |  |           |                |
| SHEET 22 OF 29   |  |  |   |   |  |           |                |

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

| REVISIONS |     |             |  |  |      |         |          |
|-----------|-----|-------------|--|--|------|---------|----------|
| REV       | ECR | DESCRIPTION |  |  | DATE | INITIAL | APPROVED |



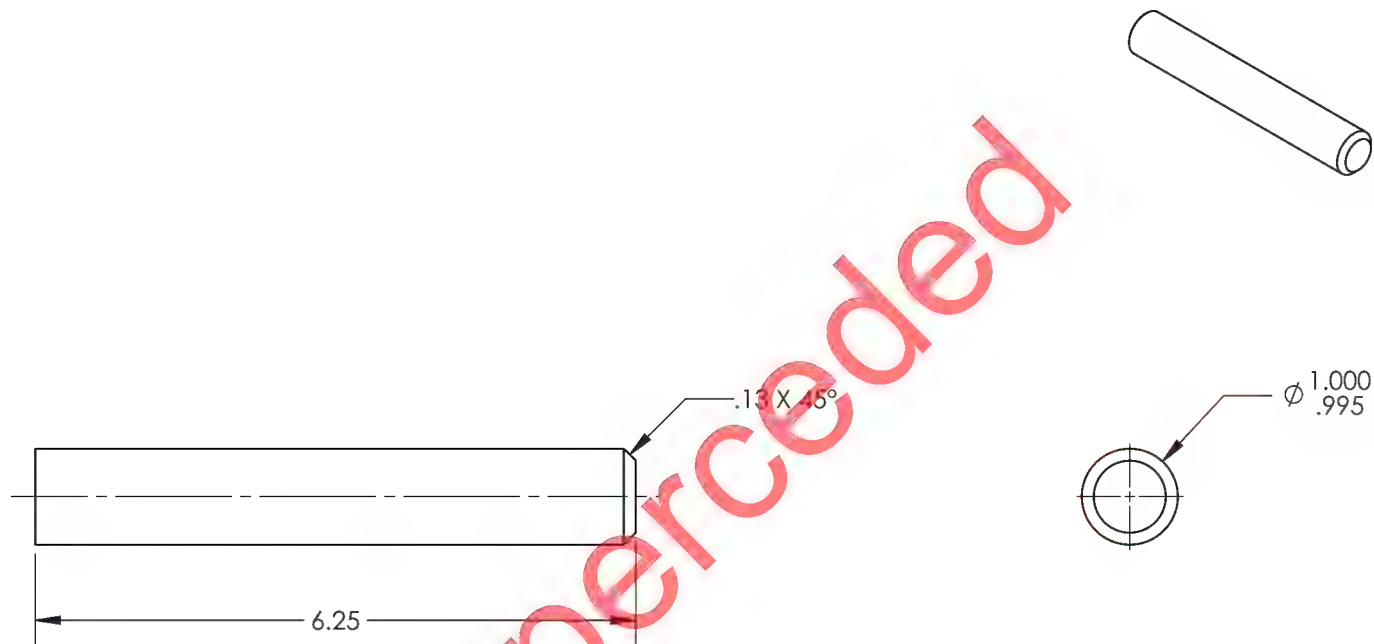
-275

CLAMP

|   |                 |
|---|-----------------|
| <b>DART<br/>AEROSPACE</b>   |                 |
| TITLE<br><b>SUPPORT DOLLY, TAILBOOM</b>   |                 |
| DWG NO.<br><b>RB T102012-275</b>  | REV<br><b>1</b> |
| MAT'L A36/1018/1020 HR<br>HEAT TREAT<br>FINISH SEE -273 WELDMENT<br>SPEC  |                 |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>.XXX ± .005 FRACTIONS ± 1/8<br>.XX ± .01 ANGLES ± .5°<br>.X ± .1 SURFACES = 125°          |                 |
| 1. BREAK ALL SHARP EDGES<br>.015 x 45° OR .015R<br>2. DIMENSIONAL LIMITS APPLY<br>AFTER PLATING<br>3. INTERPRET DIM AND TOL PER<br>ASME Y14.5M-2009 |                 |
| DRAWN BY:   | GILBERT         |
| CHECKED:  | CLOUGH          |
| OPPS APPR:  | ANDERSON        |
| QA APPR:  | LINDSAY         |
| APPROVED:   | GILBERT         |
| SCALE   | 1:2             |
| DATE  | 3/13/2014       |
| SHEET 23 OF 29  |                 |

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

| REVISIONS |     |             |          |
|-----------|-----|-------------|----------|
| REV       | ECR | DESCRIPTION | DATE     |
|           |     |             | INITIAL  |
|           |     |             | APPROVED |



-277

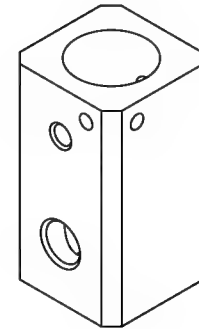
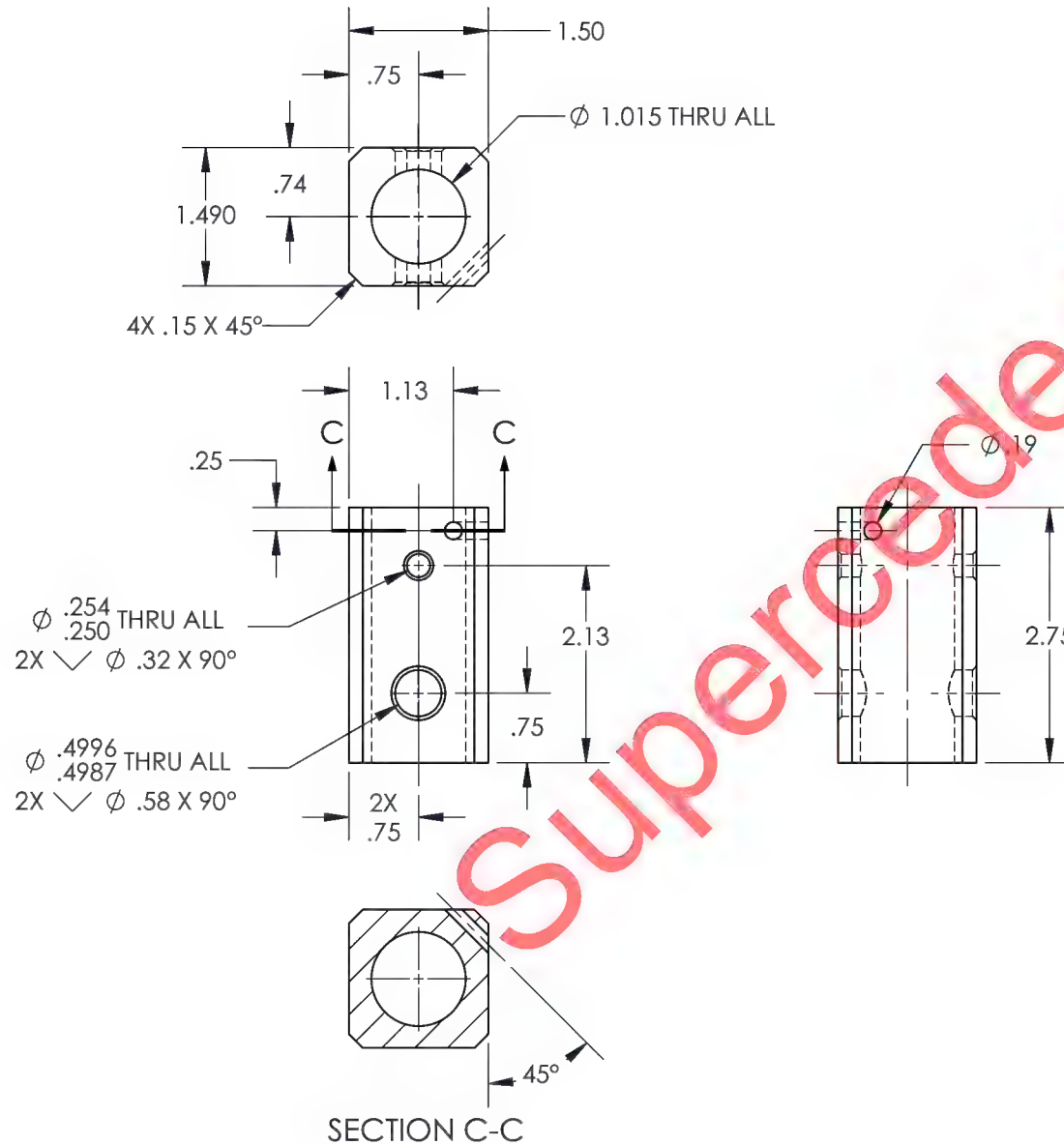
CLAMP PIN

|  |                              |
|--|------------------------------|
| <b>DART</b><br>AEROSPACE               |                              |
| TITLE<br><b>SUPPORT DOLLY TAILBOOM</b> |                              |
| DWG NO.<br>RB T102012-277              | REV<br><b>1</b>              |
| MAT'L 4140/4142                        | UNLESS OTHERWISE SPECIFIED   |
| HEAT TREAT                             | DIMENSIONS ARE IN INCHES     |
| FINISH SEE -273 WELDMENT               | .XXX ± .005 FRACTIONS ± 1/8  |
| SPEC                                   | .XX ± .01 ANGLES ± .5°       |
|  | .X ± .1 SURFACES = 125/✓     |
| DRAWN BY: GILBERT                      | 1. BREAK ALL SHARP EDGES     |
| CHECKED: CLOUGH                        | .015 x 45° OR .015R          |
| OPPS APPR: ANDERSON                    | 2. DIMENSIONAL LIMITS APPLY  |
| QA APPR: LINDSAY                       | AFTER PLATING                |
| APPROVED: GILBERT                      | 3. INTERPRET DIM AND TOL PER |
|  | ASME Y14.5M-2009             |
| SCALE 1:2                              | DATE 3/13/2014               |
|  | SHEET 24 OF 29               |



This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

| REVISIONS |     |             |          |
|-----------|-----|-------------|----------|
| REV       | ECR | DESCRIPTION | DATE     |
|           |     |             | INITIAL  |
|           |     |             | APPROVED |

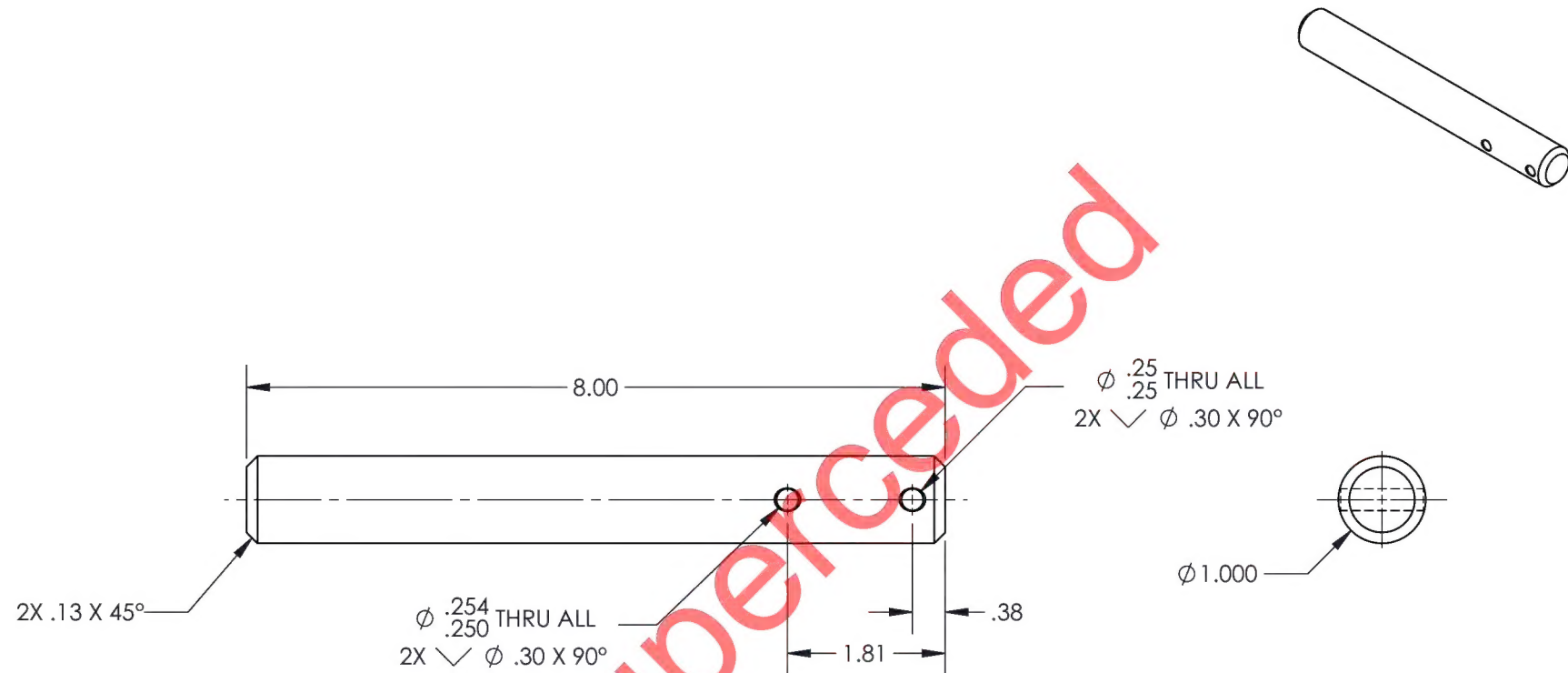


(-281)  
BLOCK

|                                  |   |
|----------------------------------|---|
| <b>DART</b><br>AEROSPACE         |   |
| TITLE<br>SUPPORT DOLLY, TAILBOOM |   |
| DWG NO.<br>RB T102012-281        | REV<br>1                                      |
| MAT'L A36/1018/1020 HR           | UNLESS OTHERWISE SPECIFIED                    |
| HEAT TREAT                       | DIMENSIONS ARE IN INCHES                      |
| FINISH ZINC PLATE                | .XXX ± .005 FRACTIONS ± 1/8                   |
| SPEC ASTM B633 TYPE I SC 2       | .XX ± .01 ANGLES ± .5°                        |
| DRAWN BY: GILBERT                | .X ± .1 SURFACES = 125° ✓                     |
| CHECKED: CLOUGH                  | 1. BREAK ALL SHARP EDGES                      |
| OPPS APPR: ANDERSON              | .015 x 45° OR .015R                           |
| QA APPR: LINDSAY                 | 2. DIMENSIONAL LIMITS APPLY                   |
| APPROVED: GILBERT                | AFTER PLATING                                 |
| SCALE 1:2                        | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| DATE 3/13/2014                   | USED ON MODEL                                 |
| SHEET 25 OF 29                   | BELL 212, 214B, 214ST, 412                    |

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| REV       | ECR | DESCRIPTION | DATE | INITIAL  |
|           |     |             |      | APPROVED |



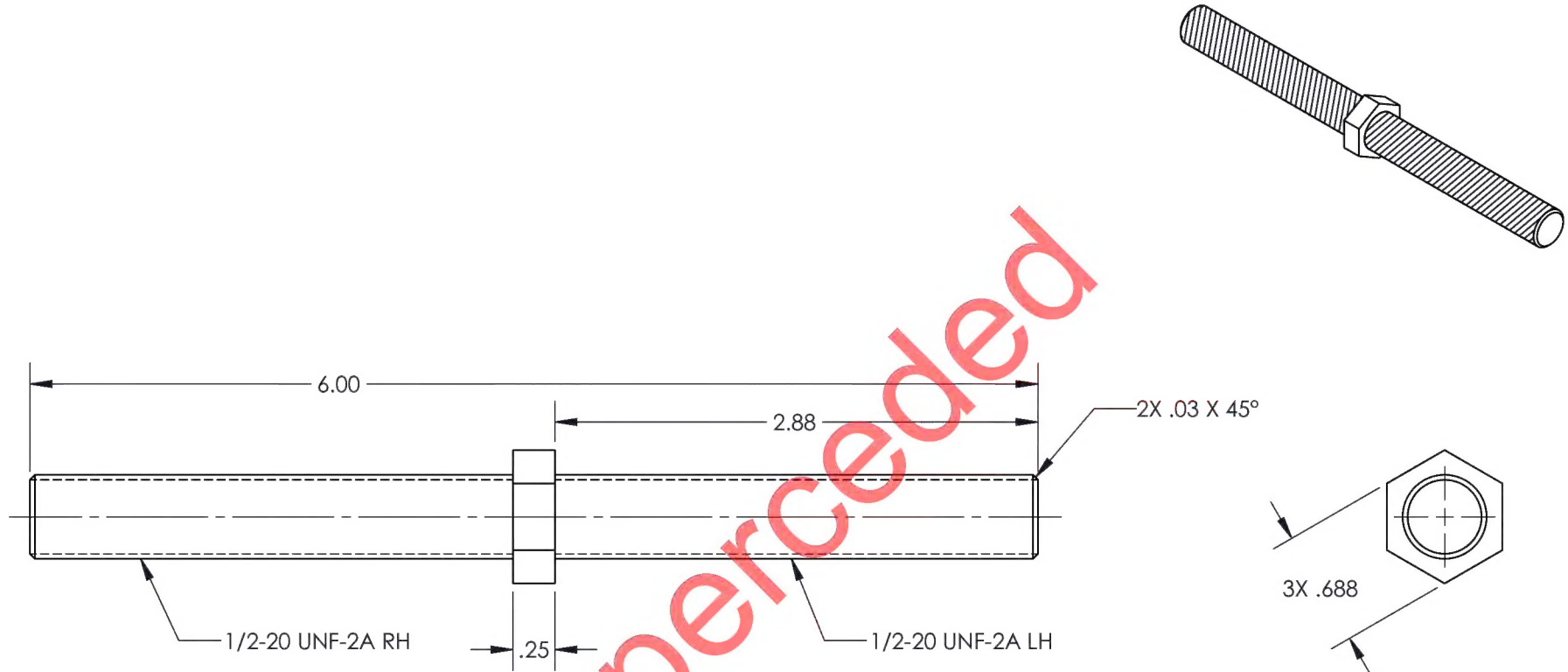
(-283)

BLOCK PIN

|   |   |
|---|---|
| <b>DART</b><br>AEROSPACE                |   |
| TITLE<br><b>SUPPORT DOLLY, TAILBOOM</b> |   |
| DWG NO.<br><b>RB T102012-283</b>        | REV<br><b>1</b>                               |
| MAT'L 4140/4142                         | UNLESS OTHERWISE SPECIFIED                    |
| HEAT RC 28-34                           | DIMENSIONS ARE IN INCHES                      |
| FINISH ZINC PLATE                       | .XXX ± .005 FRACTIONS ± 1/8                   |
| SPEC ASTM B633 TYPE I SC 2              | .XX ± .01 ANGLES ± 5°                         |
| DRAWN BY: GILBERT                       | .X ± .1 SURFACES = 125°                       |
| CHECKED: DUERFELDT                      | 1. BREAK ALL SHARP EDGES                      |
| OPPS APPR: ANDERSON                     | .015 x 45° OR .015R                           |
| QA APPR: LINDSAY                        | 2. DIMENSIONAL LIMITS APPLY                   |
| APPROVED: GILBERT                       | AFTER PLATING                                 |
| SCALE 1:2                               | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| DATE 3/13/2014                          | USED ON MODEL                                 |
| SHEET 26 OF 29                          | BELL 212, 214B, 214ST, 412                    |

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

| REVISIONS |     |             |      |
|-----------|-----|-------------|------|
| REV       | ECR | DESCRIPTION | DATE |
|           |     |             |      |

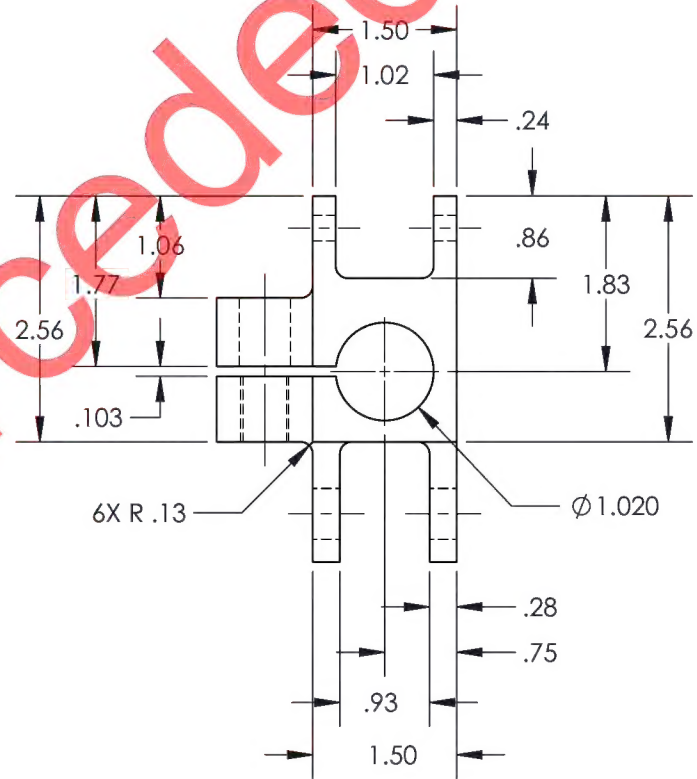
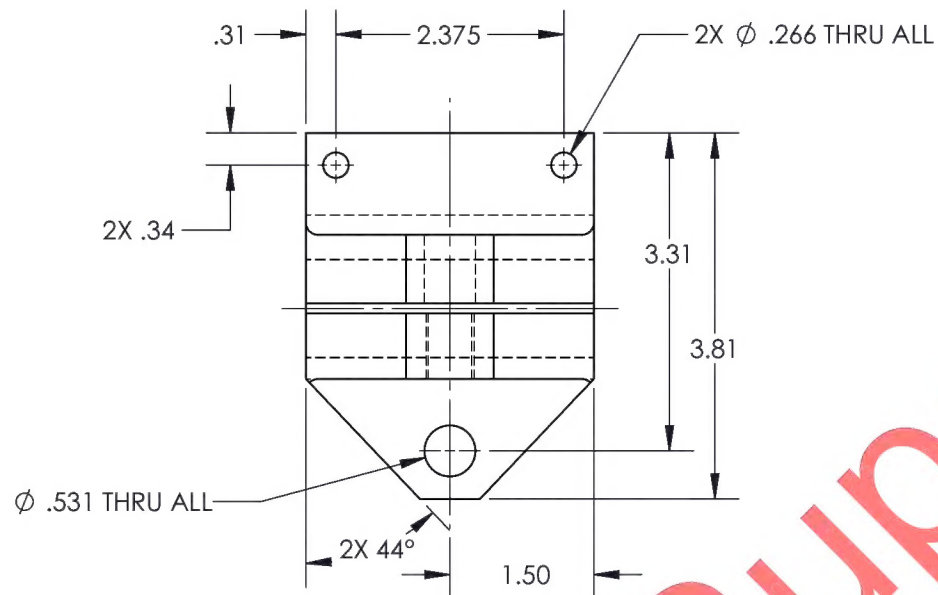
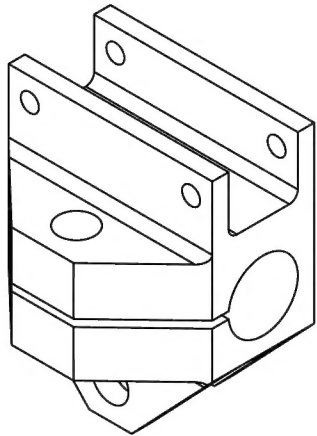
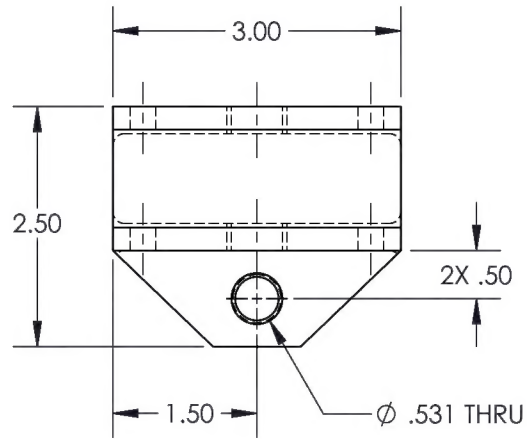


(-285)  
ADJUSTABLE CONNECTOR

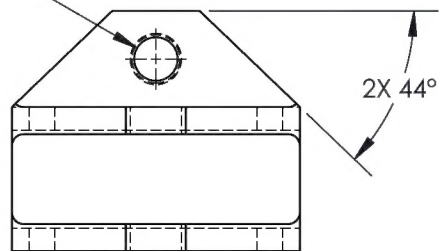
|   |                              |
|---|------------------------------|
| <b>DART<br/>AEROSPACE</b>               |                              |
| TITLE<br><b>SUPPORT DOLLY, TAILBOOM</b> |                              |
| DWG NO.<br><b>RB T102012-285</b>        | REV<br><b>1</b>              |
| MAT'L 4140/4142                         | UNLESS OTHERWISE SPECIFIED   |
| HEAT RC 28-34                           | DIMENSIONS ARE IN INCHES     |
| FINISH CAD PLATE YELLOW                 | .XXX ± .005 FRACTIONS ± 1/8  |
| SPEC QQ-P-416F, TYPE II, CLASS II       | .XX ± .01 ANGLES ± 5°        |
|   | .X ± .1 SURFACES = 125°      |
| DRAWN BY: GILBERT                       | 1. BREAK ALL SHARP EDGES     |
| CHECKED: CLOUGH                         | .015 x 45° OR .015R          |
| OPPS APPR: ANDERSON                     | 2. DIMENSIONAL LIMITS APPLY  |
| QA APPR: LINDSAY                        | AFTER PLATING                |
| APPROVED: GILBERT                       | 3. INTERPRET DIM AND TOL PER |
|   | ASME Y14.5M-2009             |
| SCALE 1:1                               | DATE 3/13/2014               |
|   | SHEET 27 OF 29               |

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

| REVISIONS |     |             |      |         |          |
|-----------|-----|-------------|------|---------|----------|
| REV       | ECR | DESCRIPTION | DATE | INITIAL | APPROVED |



1/2-20 UNF - 2B THRU ALL



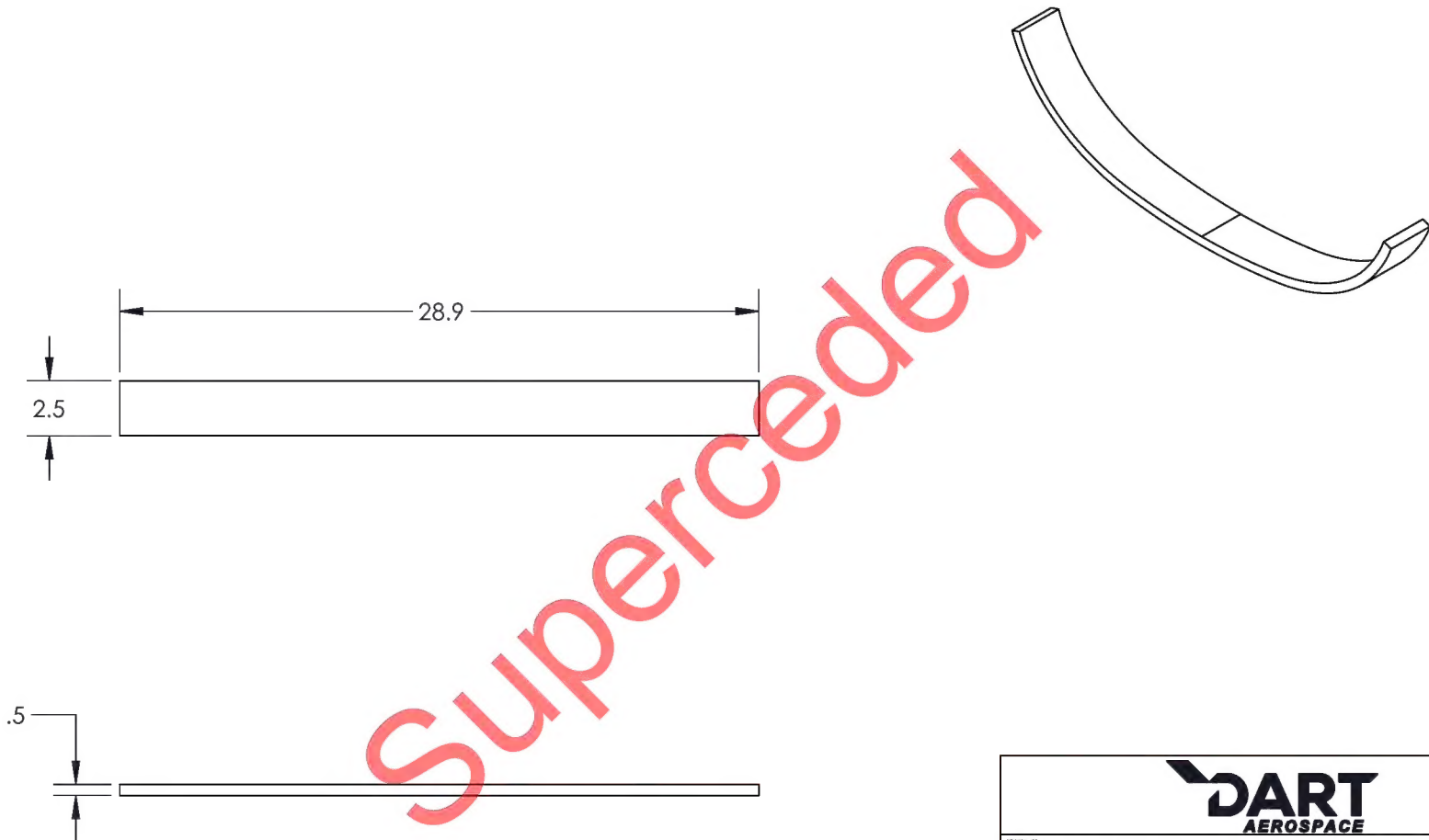
-287

TOP TUBE CLAMP

| DART<br>AEROSPACE                |  |  |                |
|----------------------------------|--|--|----------------|
| TITLE<br>SUPPORT DOLLY, TAILBOOM |  |  |                |
| DWG NO.<br>RB T102012-287        |  |  | REV<br>1       |
| MAT'L<br>A36/1018/1020 HR        |  | UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES |                |
| HEAT<br>TREAT                    |  | .XXX ± .005 FRACTIONS ± 1/8                            |                |
| FINISH<br>ZINC PLATE             |  | .XX ± .01 ANGLES ± 5°                                  |                |
| SPEC<br>ASTM B633 TYPE I SC 2    |  | .X ± .1 SURFACES = 125                                 |                |
| DRAWN BY:<br>GILBERT             |  | 1. BREAK ALL SHARP EDGES<br>.015 x 45° OR .015R        |                |
| CHECKED:<br>CLOUGH               |  | 2. DIMENSIONAL LIMITS APPLY<br>AFTER PLATING           |                |
| OPPS APPR:<br>ANDERSON           |  | 3. INTERPRET DIM AND TOL PER<br>ASME Y14.5M-2009       |                |
| QA APPR:<br>LINDSAY              |  | USED ON MODEL  |                |
| APPROVED:<br>GILBERT             |  | BELL 212, 214B, 214ST, 412                             |                |
| SCALE<br>1:2                     |  | DATE<br>3/13/2014                                      | SHEET 28 OF 29 |

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

| REVISIONS |     |             |      |         |          |
|-----------|-----|-------------|------|---------|----------|
| REV       | ECR | DESCRIPTION | DATE | INITIAL | APPROVED |



(-305)

REAR CRADLE PAD

|  |                              |
|--|------------------------------|
| <b>DART<br/>AEROSPACE</b>              |                              |
| TITLE<br><b>SUPPORT DOLLY TAILBOOM</b> |                              |
| DWG NO.<br><b>RB T102012-305</b>       | REV<br><b>1</b>              |
| MAT'L 17124                            | UNLESS OTHERWISE SPECIFIED   |
| HEAT TREAT                             | DIMENSIONS ARE IN INCHES     |
| FINISH                                 | .XXX ± .010 FRACTIONS ± 1/8  |
| SPEC                                   | .XX ± .03 ANGLES ± 1°        |
|  | .X ± .1 SURFACES = 125° ✓    |
| DRAWN BY: GILBERT                      | 1. BREAK ALL SHARP EDGES     |
| CHECKED: CLOUGH                        | .015 x 45° OR .015R          |
| OPPS APPR: ANDERSON                    | 2. DIMENSIONAL LIMITS APPLY  |
| QA APPR: LINDSAY                       | AFTER PLATING                |
| APPROVED: GILBERT                      | 3. INTERPRET DIM AND TOL PER |
|  | ASME Y14.5M-2009             |
| SCALE 1:8                              | DATE 3/13/2014               |
|  | SHEET 29 OF 29               |